

207B .NM0022306 0003
MOLYCORP INC - QUESTA
QUESTA NM



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 29 1991

REPLY TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 773 287 645)

Mr. David Shoemaker
General Superintendent
Molycorp, Inc., - Questa Division
P.O. Box 469
Questa, New Mexico 87556

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Re: Administrative Order Docket No. VI-91-415
NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. § 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., - Questa Division for the violations described therein.

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. In response hereto, please reference Docket No. VI-91-415 and your NPDES permit number, and send correspondence to the attention of Mr. Adolphus Talton (6W-EAT). The violations cited in the referenced Order could result in the issuance of an EPA administrative penalty order or referral to the United States Department of Justice for judicial action with monetary fines.

It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office is prepared to help you in any way it can. If you have any questions, please contact Mr. Sammy Mitz, EPA, Dallas, Texas at (214) 655-6475.

Sincerely yours,

/s/ Kenton Kirkpatrick

bcc: Ellison (6W-EA)x2
Meacham (6X)
Goetz (6X)
Read File (6W-EA)
Gair (EN-338)
Mitz (6W-ET)

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

Enclosure

cc: Mr. Jim Piatt, Acting Chief
Surface Water Quality Bureau
New Mexico Environmental Improvement
Division

6W-ET:SMITZ:db:AE00 AE1D:x6475:07/29/91:DM6:(04151)

SYMBOL	6W-ET 7/31/91	6W-E	6C-A/W	CONCURRENCES				
SURNAME	Graham	Hartung	KAH Hughes					
DATE	8/4	8/4	8/28/91					

P 773 287 645



Certified Mail Receipt

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

POSTAL SERVICE
Sent to Mr. David Shoemaker
Molycorp, Inc.

Street & No.
P.O. Box 469

P.O., State & ZIP Code

Questa, NM 87556

Postage

\$

Certified Fee	
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Special Delivery Fee	
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Restricted Delivery Fee	
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Return Receipt Showing
to Whom & Date Delivered

Return Receipt Showing to Whom,
Date, & Address of Delivery

TOTAL Postage & Fees	
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\$

Postmark or Date

PS Form 3800, June 1990

[illegible]

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF

DOCKET NO. VI-91-415

MOLYCORP, INC., - QUESTA DIVISION

PROCEEDINGS UNDER SECTION 309(a)(3),
CLEAN WATER ACT,
[33 U.S.C. § 1319(a)(3)]
In RE: NPDES PERMIT NO. NM0022306

ADMINISTRATIVE ORDER

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

I.

Molycorp, Inc., - Questa Division (hereinafter the Permittee) is a company doing business in the State of New Mexico and located in Taos County, the mailing address for which is P.O. Box 469, Questa, New Mexico 87556.

II.

Pursuant to the authority of Section 402(a)(1) of the Act 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to the Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

III.

PERMIT FINDINGS

Section 301(a) of the Act, 33 U.S.C. § 1311(a) prohibits the discharge of any pollutant into the waters of the United States except insofar as such discharge is regulated by a permit issued pursuant to Section 402 of the Clean Water Act.

IV.

FINDINGS OF FACT

Pursuant to Section 309(a)(3) of the Act, the EPA issued Administrative Order Docket No. VI-91-1080 to the Permittee on June 10, 1991. The Order required the submittal of an acceptable compliance plan which would provide for elimination of unpermitted discharges into the waters of the United States. An acceptable compliance schedule was received by letter dated June 19, 1991.

V.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. If an EPA administrative penalty order is issued or a judicial action is initiated by the U.S. Department of Justice, you will be subject to a monetary fine.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(3) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

A. That the Permittee comply with the following schedule:

<u>ACTIVITY</u>	<u>DUE DATE</u>
1. Begin complete replacement of steel pipe with rubber-lined pipe in the two remaining tailings lines.	Underway
2. Install expanded instrumentation.	October 1, 1991
3. Complete installation of rubber-lined pipe from station 28,500' to station 38,800' in the two remaining tailings lines.	October 15, 1991
4. Begin operating expanded instrumentation.	January 2, 1992
5. Complete installation of rubber-lined pipe from station 40,000' to station 44,600' in the two remaining tailings lines.	March 15, 1992
6. Eliminate unpermitted discharges.	March 15, 1992

B. That the Permittee shall submit construction progress reports in accordance with the following schedule:

<u>REPORT NO.</u>	<u>DUE DATE</u>
1	September 15, 1991
2	December 1, 1991
3	March 1, 1992

C. That the Permittee report compliance or noncompliance with the requirements of (b) above, no later than fourteen (14) calendar days following the date of a specific action.

D. That all other terms and conditions of the permit are effective as issued and require full compliance.

The effective date of this Order shall be the date it is received by the Permittee.

DATED: This AUG 29 1991 day of _____, 1991.

/s/ Kenton Kirkpatrick

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

AD
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 10 1991

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 341 528 093)

Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: Consent Agreement and Order Assessing Administrative Penalties
Docket No. VI-91-1617
NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

This is to acknowledge receipt of your letter dated April 11, 1991, transmitting the "Consent Agreement and Order Assessing Administrative Penalties" signed by yourself. As no comments were received from the general public during the thirty (30) day public notice period, the Environmental Protection Agency hereby issues this Final Consent Agreement and Order.

The Consent Agreement shall become effective thirty (30) days after the date of issuance noted therein. Penalty payment is due at that time.

If you have any questions regarding this matter, please contact Mr. Sammy Mitz at telephone (214) 655-6475.

Sincerely yours,

/s/ Myron O. Knudson

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

Enclosure

cc: Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement

bcc: Gair (EN-338)
Lassiter (EN-338)
Ellison (6W-EA) x2
Meacham (6X)
Goetz (6X)
Mitz (6W-ET)
Read File (6W-E)

6W-ET.SMITZ:x6475:AE-05:mmc-10:4/19/91:02720

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

SYMBOL	6W-ET	6W-E	6C-A/W	CONCURRENCES			
SURNAME	Graham	Hartung	Hughes				
DATE	5/28	5/31/91	6/3				

EPA Form 1320-1 (12-79)

OFFICIAL FILE COPY

P 341 528 093

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse) NM22306
Mr. David R. Shoemaker

Sent to Molycorp, Inc.	
Street and No. P.O. Box 469	
P.O., State and ZIP Code Questa, NM 87556	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF

MOLYCORP, INC., QUESTA DIVISION
P.O. Box 469
Questa, New Mexico 87556

NPDES PERMIT NO. NM0022306

DOCKET NO. VI-91-1617

ASSESSMENT OF CLASS II
ADMINISTRATIVE PENALTY
ON CONSENT UNDER CWA § 309(g)

CONSENT AGREEMENT AND ORDER
ASSESSING ADMINISTRATIVE PENALTIES

I. Statutory Authority

The following Findings are made and Consent Agreement issued under the authority vested in the Administrator of the U.S. Environmental Protection Agency (EPA) by Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). The Administrator has delegated these authorities to the Regional Administrator of EPA Region 6, who hereby issues this Final Order.

II. Findings of Violation

Upon consent of the parties by their attorneys and authorized officials, the Administrator finds:

1. Molycorp, Inc., Questa Division (hereinafter the "Respondent"), a person within the meaning of the Act, owns or operates a facility located in Taos County, with a mailing address of P.O. Box 469, Questa, New Mexico 87556, which discharges pollutants to the Red River, a navigable water of the United States within the meaning of Section 502 of the Act, 33 U.S.C. § 1362. Respondent is, therefore, subject to the provisions of the Act, 33 U.S.C. § 1251 et seq. including Section 309(g) of the Act, 33 U.S.C. § 1319(g).

2. On January 15, 1991, EPA Region 6 issued to Respondent, and on or about February 2, 1991, notified the public of an Administrative Complaint, Docket No. VI-91-1617, which included formal findings of violation, notice of a proposed assessment of a civil penalty against Respondent, and notice of Respondent's opportunity to request a hearing on the proposed administrative penalty assessment.

3. On January 15, 1991, the State of New Mexico was given an opportunity to consult with EPA regarding the assessment of an administrative penalty against the Respondent.

4a. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging 9 to 24 gallons of diesel to the Red River on August 12, 1987.

4b. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging mine tailings to a local acequia (irrigation ditch) system on January 11, 1990; April 13, 1990; and November 20, 1990.

4c. The Respondent has violated Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311, and which permit has been issued to Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by failing to properly operate and maintain its tailings pipeline on December 12, 1989; January 3, 1990; January 11, 1990; April 13, 1990; April 30, 1990; and November 20, 1990, resulting in spills of mine tailings.

4d. The Respondent has violated Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311, and which permit has been issued to Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by violating monthly average and/or daily maximum concentration limits for molybdenum on May 31, 1990, and fourteen (14) days of June 1990.

III. Penalty Order and Consent

Based on the foregoing findings, and having taken into account the nature, circumstances, extent, and gravity of the violation(s), Respondent's prior history of compliance, degree of culpability, economic benefit or savings resulting from the violation(s), and ability to pay, and under the authority of Section 309(g) of the Act, 33 U.S.C. § 1319(g), EPA Region 6 hereby ORDERS, AND RESPONDENT HEREBY CONSENTS, that:

1. The provisions of this Consent Agreement shall be binding upon the Respondent, its officers, directors, agents, servants, authorized representatives, employees, and successors or assigns.
2. The Respondent shall mail two (2) copies of the Consent Agreement, each with original signatures, to the attention of Ms. Carlene Ellison (6W-EA) at the following address:

U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

3. The Respondent shall pay \$30,000 for its past violations of the Act cited above by mailing a money order or certified check payable to Treasurer, United States of America, within thirty (30) days of the effective date of Agreement to the following address:

Regional Hearing Clerk (6C-G)
U.S. EPA Region 6
P.O. Box 360582M
Pittsburgh, PA 15251

The money order or check must list the docket number referenced on page 1 of this Order.

Respondent shall send notice of such payment, including a copy of the money order or check, to the Hearing Clerk at the following address:

Regional Hearing Clerk (6C-G)
U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

and a copy to the Enforcement Branch at the following address:

Ms. Carlene Ellison (6W-EA)
U.S. EPA Region 6
Water Management Division
1445 Ross Avenue
Dallas, Texas 75202-2733

IV. General Provisions

1. Issuance of this Order does not constitute a waiver by EPA of its right to enforce the substantive legal requirements underlying this administrative penalty assessment, either administratively or judicially

pursuant to Sections 309(a), (b), and (c) of the Act, 33 U.S.C. § 1319(a), (b), and (c). Nor pursuant to Section 309(g)(7) of the Act, does issuance or compliance with this Order exempt Respondent from responsibility to comply with all requirements of the Act and of any legal order or permit issued pursuant thereto.

2. While Respondent agrees to abide by the conditions of this Order, it does not admit to any of the findings contained herein, nor does Respondent admit liability for any purpose or admit any issues of law or fact.

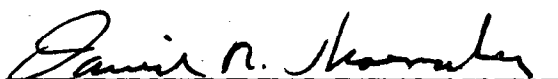
3. Failure by Respondent to pay in full the penalty assessed by this Consent Agreement by its due date may subject Respondent to a civil action to collect the assessed penalty plus interest, attorneys' fees, costs, and an additional quarterly nonpayment penalty pursuant to Section 309(g)(9) of the Act, 33 U.S.C. § 1319(g)(9). In any such collection action, the validity, amount, and appropriateness of the penalty and of this Consent Agreement shall not be subject to review.

4. Respondent knowingly and explicitly waives its rights pursuant to Sections 309(g)(2) and (8), 33 U.S.C. § 1319(g)(2) and (8), to a hearing on this penalty assessment and to judicial review of this administrative penalty assessment.

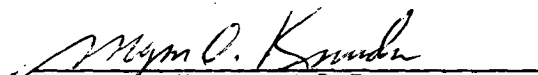
V. Effective Date

This Consent Agreement and Order shall become effective thirty (30) days after the date of issuance noted below unless a petition for a hearing

is filed pursuant to Section 309(g)(4)(C) of the Act, 33 U.S.C. § 1319(g)(4)(C), by a person who commented on the proposed penalty assessment. If such a petition is filed, EPA Region 6 will so notify Respondent and will inform Respondent of the effect of the petition on the effective date of this Consent Agreement and Order.

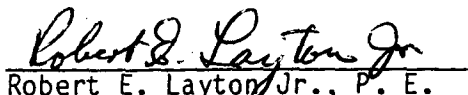


Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556



Myron O. Knudson, P.E.
Director
Water Management Division (6W)
EPA Region 6

Issued this JUN 10 1991 day of _____, 1991.



Robert E. Layton Jr., P. E.
Regional Administrator
U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 10 1991

REPLY TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 341 530 937)

Mr. David Shoemaker
General Superintendent
Molycorp, Inc. - Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: Administrative Order Docket No. VI-91-1080
NPDES Permit No. NM0022306

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Wo. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Dear Mr. Shoemaker:

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. § 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., for the violations described therein.

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. The violations cited in the referenced Order could result in the issuance of an EPA administrative penalty order or referral to the United States Department of Justice for judicial action with monetary fines. In response hereto, please reference Docket No. VI-91-1080 and your NPDES permit number, and send correspondence to the attention of Mr. Adolphus Talton (6W-ET).

It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office is prepared to help you in any way it can. If you have any questions, please contact Mr. Sammy Mitz, EPA, Dallas, Texas at (214) 655-6475.

Sincerely yours,

/s/ Kenton Kirkpatrick

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

bcc: Ellison (6W-EA)x2
Neacham (6X)
Goetz (6X)
Read File (6W-EA)
Gair (EN-338)
Mitz (6W-ET)

Enclosure

cc: Mr. Jim Piatt, Acting Chief

Surface Water Bureau 6W-ET:SMITZ:el:x6475:AE00 AE1A:5/31/91:LL2:03245

New Mexico Environmental CONCURRENCE

SYMBOL	Division	6W-ET	6W-ET	6C-A/W		
SURNAME		Graham	Hartung	KAT	Hughes	
DATE		6/4	6/4	6/6/91		

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF

DOCKET NO. VI-91-1080

MOLYCORP, INC. - QUESTA DIVISION

PROCEEDINGS UNDER SECTION 309(a)(5),
CLEAN WATER ACT,
[33 U.S.C. § 1319(a)(3)],
In RE: NPDES PERMIT NO. NM0022306

ADMINISTRATIVE ORDER

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

I.

Molycorp, Inc. - Questa Division (hereinafter the Permittee) is a company doing business in the State of New Mexico and located in Taos County, the mailing address for which is P.O. Box 469, Questa, New Mexico 87556.

II.

Pursuant to the authority of Section 402(a)(1) of the Act, 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to the Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

III.

Section 301(a) of the Act, 33 U.S.C. & 1311(a) prohibits the discharge of any pollutant into the waters of the United States except insofar as such discharge is regulated by a permit issued pursuant to Section 402 of the Clean Water Act.

IV.

FINDINGS OF FACT

On May 22, 1991, EPA received a letter from the Permittee regarding a tailings spill which occurred on May 21, 1991, due to a tailings line break. The break occurred at approximately 5:30 p.m. when a line coupling separated due to a pressure surge. The spilled material entered an irrigation ditch and flowed into an arroyo which drains into the Red River. Although the irrigation ditch was bermed and some of the tailings were diverted to an emergency sump, it is estimated that approximately twenty-five (25) gallons of tailings entered the Red River via a small feeder ditch off of the main irrigation ditch.

V.

FINDINGS OF VIOLATION

Based on information provided by EPA and the Permittee, the Regional Administrator, through the Director of the Water Management Division, finds that the Permittee has violated Section 301(a) of the Act, 33 U.S.C. § 1311(a).

Violation of Section 301(a) of the Act, 33 U.S.C. § 1311(a) - The

May 22, 1991, spill resulted in an unpermitted discharge of tailings to the Red River.

VI.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. Failure to reach a satisfactory solution to this matter at the meeting referenced under the ORDER portion of this document will result in an EPA administrative penalty or referral to the U.S. Department of Justice for judicial action with monetary fines.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(5) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

A. That the Permittee, within thirty (30) days of the effective date of this Order, shall take whatever corrective action is necessary to eliminate and prevent recurrence of the violations cited in the FINDINGS OF VIOLATION. In addition, the Permittee shall, within thirty (30) days of the effective date of this Order, submit a report detailing the specific actions taken and why such actions are sufficient to prevent recurrence of the violations.

B. In the event the Permittee believes that complete correction of the previously cited noncomplying discharges is not physically possible within thirty (30) days of the effective date of this Order, the Permittee shall submit, within thirty (30) days of the effective date of this Order, a

comprehensive plan for the expeditious elimination and prevention of such noncomplying discharges. Such plan shall provide for specific corrective actions to be taken and shall include a critical path schedule for the achievement of compliance within the shortest time possible.

C. That the Permittee appear at the Region 6 offices of the United States EPA, 1445 Ross Avenue, 12th Floor, Dallas, Texas, before the undersigned or designee, to show cause why the Permittee has not complied with the mandate of Section 301 of the Act and to show cause why the EPA should not take further enforcement action against the Permittee.

D. The Permittee shall arrange a meeting with EPA to be held within thirty (30) days of the effective date of this Order. The Permittee shall submit all written material relevant to the previously mentioned issues on which it intends to make its showing at least ten (10) days prior to the scheduled meeting. Concurrently with such material, the Permittee shall submit to the EPA any proposed compliance schedule for achieving complete compliance with the permit.

To arrange the meeting and to provide any comments or questions concerning this matter, please contact Mr. Sammy Mitz of our office at telephone (214) 655-6475.

The effective date of this Order shall be the date it is received by the Permittee.

JUN 10 1991

DATED: This _____ day of _____, 1991.

/s/ Kenton Kingstich

Myron O. Knudson, P.E.

Director

Water Management Division (6W)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 02 1991

REPLY TO: 6W-EAT

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 341 529 846)

Mr. David R. Shoemaker
General Superintendent
Molycorp Inc - Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: Administrative Order Docket No. VI-91-130
NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. § 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., Questa Division for the violations described therein.

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. In response hereto, please reference Docket No. VI-91-130 and your NPDES permit number, and send correspondence to the attention of Mr. Adolphus Talton (6W-EAT). The violations cited in the referenced Order could result in the issuance of an EPA administrative penalty order or referral to the United States Department of Justice for judicial action with monetary fines.

It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office is prepared to help you in any way it can. If you have any questions, please contact Mr. Adolphus Talton, EPA, Dallas, Texas at (214) 655-6455.

Sincerely yours,

/s/ Myron O. Knudson

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

Enclosure

cc: Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement
Division

bcc: Ellison (6W-EA)x2
Meacham (6X)
Goetz (6X)
Read File (6W-EA)
Gair (EN-338)
Talton (6W-EAT)

6W-EAT:ATALTON:de:Aeoo,Ae1a:DM2:x6455:02/27/91:01833

		CONCURRENCES					
SYMBOL		6W-EAT	6W-EA	6W-ET	6W-E	6C-A/W	
SURNAME	<i>Crawford</i>	<i>BH</i>	<i>BH</i>	<i>BH</i>	<i>BH</i>	<i>KAT</i>	<i>ONE</i>
	<i>BNC</i>	Gordon	Gibson	Graham	Hartung	Hughes	
DATE	<i>3/28/91</i>	<i>3/28/91</i>		<i>3/28</i>	<i>3/28</i>	<i>3/29/91</i>	<i>4/2</i>

CLASSIFIED MAIL: RETURN RECEIPT REQUESTED (4-241 525 240)

ac Exam 3800 June 1985

of Justice for Judicial
LPJ administrative pe-
c violations cited in the
and send correspondence to
hereto please reference
Your cooperation and
pected within the maximum

[illegible]

Enclosure
Labor Management Division (C)
Director
Lyron C. Knudson, F.E.

Division
New Mexico Environmental Improvement
Surface Water Bureau
Mr. Jim Foster, Acting Chief

EL-LAT:ATA101:db:AG00:Act1:DN5:x455:05/27/01:01833

Coldest	Crisco	Crash	Cheer	Cheer	Cheer
0-10	0-10	0-10	0-10	0-10	0-10
0-10	0-10	0-10	0-10	0-10	0-10
0-10	0-10	0-10	0-10	0-10	0-10

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF

MOLYCORP, INC., QUESTA DIVISION

PROCEEDINGS UNDER SECTION 309(a)(3),
CLEAN WATER ACT,
[33 U.S.C. § 1319(a)(3)],
In RE: NPDES PERMIT NO. NM0022306

DOCKET NO. VI-91-130

ADMINISTRATIVE ORDER

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

I.

Molycorp, Inc., Questa Division (hereinafter the Permittee) is a company in the State of New Mexico and located in Taos County, the mailing address for which is P.O. Box 469, Questa, New Mexico 87556.

II.

Pursuant to the authority of Section 402(a)(1) of the Act, 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to receiving waters named Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

III.

Part I.A. of the permit places certain limitations on the quantity and quality of effluent discharged by the Permittee. The relevant limitations follow:

<u>Effluent Characteristic</u>	<u>Discharge Limitation/Monitoring Requirements</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Mass</u> <u>Daily avg</u>	<u>(lbs/day)</u> <u>Daily max</u>		
Total Molybdenum	25 (*4)	50 (*3)	1/week	Composite

*3. Sum Total for Outfalls 001 and 002

*4. Sum Total average for Outfalls 001 and 002 for six (6) months proceeding reporting period end date; also report daily average mass for each month

IV.

FINDINGS OF FACT

The Permittee failed to report sum total at Outfalls 001 and 002 for Total Molybdenum during the month of April 1990.

V.

FINDINGS OF VIOLATION

Based on information provided by EPA and the Permittee, the Regional Administrator, through the Director of the Water Management Division, finds that the Permittee has violated Part I.A. of the permit.

Violations of Part I.A. - Recent violations include:

Failure to report Sum Total at Outfalls 001 and 002 for Total Molybdenum during the month of April 1990.

VI.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. If an EPA administrative penalty order is issued or a judicial action is initiated by the U.S. Department of Justice, you will be subject to a monetary fine.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(3) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

The Permittee shall, within fifteen (15) days of the effective date of this Order, submit missing Molybdenum data for April 1990. The Permittee shall take whatever corrective action is necessary to eliminate and prevent recurrence of the violations cited in the FINDINGS OF VIOLATION.

The effective date of this Order shall be the date it is received by the Permittee.

APR 02 1991

DATED: This _____ day of _____, 1991.

/s/ Myron O. Knudson

Myron O. Knudson, P.E.
Director

JAN 15 1991

REPLY TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (PS 341 528 581)

Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement
Division
P.O. Box 968
Santa Fe, New Mexico 87504-0968

Re: Notice of Proposed Administrative Penalty Assessment
Docket No. VI-91-1617
NPDES Permit No. NM0022306

Dear Mr. Piatt:

Enclosed is a copy of the administrative complaint which the Administrator of the United States Environmental Protection Agency (EPA) proposes to issue to MolyCorp, Inc., Questa Division pursuant to Section 309(g) of the Clean Water Act, 33 U.S.C. 1319(g). The Administrator proposes to issue the complaint to begin the process to administratively assess a Class II civil penalty of \$125,000 against MolyCorp, Inc., Questa Division for violations of the Clean Water Act. Because the violations have occurred in the State of New Mexico, EPA is offering you an opportunity to confer with us regarding the proposed penalty assessment.

You may request a conference with Mr. Robert H. Fugate within two weeks of receipt of this letter. The conference may be in person or by telephone and may cover any matters relevant to the proposed penalty assessment. If you wish to request a conference or if you have any comments or questions regarding the matter, please call Mr. Robert H. Fugate at telephone (214) 655-6475.

Sincerely yours,

Myron O. Knudson
Myron O. Knudson, P.E.
Director

Water Management Division (6W)

bcc: Gair (EN-338)
Ellison (6W-EA)
Meacham (6X)
Goetz (6X)
Read File (6W-EA)
L. Vaughn (6C-G)
Lassiter (EN-338)
Talton (6W-EAT)
Fugate (6W-ET)

CONCURRENCES

SYMBOL	Enclosures	6W-ET	FUGATE:ce:AE04:x6475:12/28/90:A04:(00992)			
SURNAME	6W-ET	6W-E	6C-			
DATE	Graham	Hartung	Collins			

RECEIPT FOR CERTIFIED MAIL

(See Reverse) NM22306

PS Form 3800, June 1985

64-ET-RENUATE-co:VECA:K475:1258\90:ACA:(00095)
64-ET-64-ET
Craham Hartung Collins

JAN 15 1991

REPLY TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 341 528 580)

Mr. David R. Shoemaker
 Mine Manager
 Molycorp, Inc., Questa Division
 P.O. Box 469
 Questa, New Mexico 87556

Re: Notice of Proposed Assessment of a Class II Civil Penalty
 Docket No. VI-91-1617
 NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

Enclosed is a document entitled "Administrative Complaint, Findings of Violation, Notice of Proposed Assessment of a Civil Penalty, and Notice of Opportunity to Request a Hearing Thereon" (hereinafter the "Complaint"). We have filed this Complaint against Molycorp, Inc., Questa Division under the authority of Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). In the Complaint, the U.S. Environmental Protection Agency (EPA) alleges that Molycorp, Inc., Questa Division has violated various provisions of the Clean Water Act, its implementing regulations, and the terms of the NPDES permit issued under the authority of the Act. The violations the EPA is alleging are specifically set out in Section II of the Complaint.

By law, you have a right to request a hearing regarding the violations alleged in the Complaint and the proposed administrative civil penalty. Please pay particular attention to the Complaint Section IV entitled "Notice of Opportunity to Request a Hearing." Note that should you fail to request a hearing within twenty (20) days of your receipt of the Complaint, you will waive your right to such a hearing and, the proposed civil penalty may be assessed against you without further proceedings. You have the right to be represented by an attorney or to represent yourself at any stage of these proceedings.

Whether or not you request a hearing, we invite you to confer informally with the EPA concerning the alleged violations and the amount of the proposed penalty. You may represent yourself or be represented by an attorney at any conference, whether in person or by telephone. The EPA encourages all parties

6W-ET:RFUGATE:ce:AF03 AP1A AP1B AP1C:x6475-12/28/90-A04:(00992)

CONCURRENCES

SYMBOL	6W-ET	6W-E	6C-A				
SURNAME	Graham	Hartung	Collins	2/11			
DATE	1/3/91	1/4	2/4				

P 341 528 580

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

NOT FOR INTERNATIONAL MAIL NM22306

(See Reverse)

Mr. David R. Shoemaker
MolyCorp, Inc.

Separate

Street and No.
P.O. Box 469

P.O., State and ZIP Code
Questa, NM 87556

Postage \$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt showing
to whom and Date Delivered

Return Receipt showing to whom,
Date, and Address of Delivery

TOTAL Postage and Fees \$

Postmark or Date

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

OM-ET:RELOCATE:ce:WQ3:VIA WID (PIC:XCAT5:12)CB:GO:V04:(0000)

CC-A

OM-E

OM-ET

Copy

Handling

Grading

against whom it files a Complaint proposing assessment of a penalty to pursue the possibility of settlement as a result of an informal conference. If such a mutually satisfactory settlement can be reached, it will be formalized by the issuance of a Consent Agreement signed by you and by the Regional Administrator of EPA Region 6. The issuance of such a Consent Agreement shall constitute a waiver by you of your right to a hearing on, and to a Judicial appeal of, the agreed civil penalty. Enclosed for your convenience are two (2) copies of the "Consent Agreement and Order Assessing Administrative Penalties".

A request for an informal conference does not extend the twenty (20) days by which you must request or waive a hearing on the proposed penalty assessment; the two procedures can be pursued simultaneously. If you have any questions, or wish to discuss the possibility of a settlement of this matter, please contact Mr. Robert H. Fugate (6W-ET), U.S. EPA Region 6, 1445 Ross Avenue, Dallas, Texas 75202-2733, or telephone (214) 655-6475.

We urge your prompt attention to this matter.

Sincerely yours,

Myron O. Knudson

Myron O. Knudson, P. E.
Director
Water Management Division (6W)

Enclosures

cc: Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement
Division

Mr. Mike Saladen
Water Resources Specialist
New Mexico Environmental Improvement
Division

Mr. Roger K. Ferland
Streich, Lang, Weeks & Cardon
2100 First Interstate Bank Plaza
100 West Washington
Phoenix, Arizona 85003-1897

Mr. Scott Vail
Environmental Coordinator
Molycorp, Inc., Questa Division

bcc: Gair (EN-338)
Ellison (6W-EA)
Meacham (6X)
Goetz (6X)
Read File (6W-EA)
Lorena Vaughn (6C-G)
Lassiter (EN-338)
Talton (6W-EAT)
Fugate (6W-ET)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF

MOLYCORP, INC., QUESTA DIVISION
P.O. Box 469
Questa, New Mexico 87556

NPDES PERMIT NO. NM0022306

§
§
§
§
§
§
§
§
§

DOCKET NO. VI-91-1617

Proposal to Assess Class II
Administrative Penalty Under
CWA § 309(g)

ADMINISTRATIVE COMPLAINT,
FINDINGS OF VIOLATION,
NOTICE OF PROPOSED ASSESSMENT OF
A CIVIL PENALTY, AND NOTICE OF OPPORTUNITY
TO REQUEST A HEARING THEREON

I. Statutory Authority

The following Findings are made and Notices given under the authority vested in the Administrator of the U.S. Environmental Protection Agency (EPA) by Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). The Administrator has delegated these authorities to the Regional Administrator of EPA Region 6 who redelegated these authorities to the Director of the Water Management Division of EPA Region 6, who hereby issues this Complaint and Notice.

II. Findings of Violation

1. Molycorp, Inc., Questa Division (hereinafter the "Respondent"), a person within the meaning of Section 502(5) of the Act, 33 U.S.C. § 1362(5), owns or operates a facility located in Taos County, New Mexico, with a mailing address of P.O. Box 469, Questa, New Mexico 87556, which discharges pollutants to the Red River, a navigable water of the United States within the meaning of Section 502 of the Act, 33 U.S.C. § 1362. Respondent is, therefore, subject to the provisions of the Act, 33 U.S.C. § 1251 et seq.

2a. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging 9 to 24 gallons of diesel to the Red River on August 12, 1987.

2b. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging mine tailings to a local acequia (irrigation ditch) system on January 11, 1990; April 13, 1990; and November 20, 1990.

2c. The Respondent has violated Section 301(a) of the Act, 33 U.S.C. § 1311(a), by violating condition Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311 and which permit has been issued to the Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by failing to properly operate and maintain its tailings pipeline on December 12, 1989; January 3, 1990; January 11, 1990; April 13, 1990; April 30, 1990; and November 20, 1990, resulting in spills of mine tailings.

2d. The Respondent has violated Section 301(a) of the Act, 33 U.S.C. § 1311(a), by violating condition Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311 and which permit has been issued to the Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by violating monthly average and/or daily maximum concentration limits for molybdenum on May 31, 1990, and fourteen (14) days of June 1990.

3. EPA has consulted with the State of New Mexico regarding this proposed action by mailing a copy of this document to the appropriate State official and offering an opportunity for the State to consult with the EPA on this proposed penalty assessment.

III. Notice of Proposed Order Assessing A Civil Penalty

Based on the foregoing Findings of Violation and pursuant to the authority of Section 309(g) of the Act, 33 U.S.C. § 1319(g), EPA Region 6 hereby proposes to issue a Final Order Assessing Administrative Penalties to the Respondent assessing a penalty of \$125,000, which constitutes less than \$10,000 per violation cited above. The proposed penalty amount was determined by the EPA after taking into account the nature, circumstances, extent and gravity of the violation or violations, the Respondent's prior compliance history, degree of culpability for the cited violations, any economic benefit and savings accruing to Respondent by virtue of the violations, and the Respondent's ability to pay the proposed penalty. All factors are identified at Section 309(g)(3) of the Act, 33 U.S.C. § 1319(g)(3). The Final Order Assessing Administrative Penalties may be issued twenty (20) days after Respondent's receipt of this Notice unless the Respondent, within that time, requests a hearing on this Notice pursuant to the following section.

IV. Notice of Opportunity to Request a Hearing

1. Respondent may, pursuant to Section 309(g), of the Act, 33 U.S.C. § 1319(g), request within twenty (20) days of receipt of this Notice, a hearing on the civil penalty assessment proposed herein. At the hearing

the Respondent may contest any material fact contained in the Findings of Violation at Section II above and the appropriateness of the proposed penalty described in Section III above. The procedures for the hearing, if one is requested, are set out in the 40 CFR Part 22, "Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits", and amendments to the 40 CFR Part 22.38, copies of which are attached hereto for your convenience.

2. Respondent must send any request for a hearing to:

Regional Hearing Clerk (6C-G)
U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

3. Be aware that should you request a hearing on this proposed penalty assessment, members of the public, to whom EPA is obligated to give notice of this proposed action, will have a right under Section 309(g)(4)(B) of the Act, 33 U.S.C. § 1319(g)(4)(B), to be heard and to present evidence on the appropriateness of the penalty assessment. Should you not request a hearing, EPA will issue a Final Order Assessing Administrative Penalties and only members of the public who commented on this proposal will have an additional thirty (30) days to petition EPA to set aside the Final Order Assessing Administrative Penalties and to hold a hearing thereon. Such a petition will only be granted and the hearing held if the petitioner's evidence is material and was not considered by EPA in the issuance of the Final Order Assessing Administrative Penalties.

4. Neither assessment nor payment of the administrative civil penalty pursuant to this section of the Act shall affect your continuing obligation to comply with the Act, with every term and condition of your NPDES permit, and with any separate Compliance Order issued under Section 309(a) of the Act, 33 U.S.C. § 1319(a), ordering cessation of the violations alleged herein.

JAN 15 1991

/s/ Myron O. Knudson

Date: _____

Myron O. Knudson, P.E.
Director
Water Management Division (6W)
U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF

MOLYCORP, INC., QUESTA DIVISION
P.O. Box 469
Questa, New Mexico 87556

NPDES PERMIT NO. NM0022306

DOCKET NO. VI-91-1617

ASSESSMENT OF CLASS II
ADMINISTRATIVE PENALTY
ON CONSENT UNDER CWA § 309(g)

CONSENT AGREEMENT AND ORDER
ASSESSING ADMINISTRATIVE PENALTIES

I. Statutory Authority

The following Findings are made and Consent Agreement issued under the authority vested in the Administrator of the U.S. Environmental Protection Agency (EPA) by Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). The Administrator has delegated these authorities to the Regional Administrator of EPA Region 6, who hereby issues this Final Order.

II. Findings of Violation

Upon consent of the parties by their attorneys and authorized officials, the parties stipulate and the Administrator finds:

1. Molycorp, Inc., Questa Division (hereinafter the "Respondent"), a person within the meaning of the Act, owns or operates a facility located in Taos County, with a mailing address of P.O. Box 469, Questa, New Mexico 87556, which discharges pollutants to the Red River, a navigable water of the United States within the meaning of Section 502 of the Act, 33 U.S.C. § 1362. Respondent is, therefore, subject to the provisions of the Act, 33 U.S.C. § 1251 et seq. including Section 309(g) of the Act, 33 U.S.C. § 1319(g).

2. On _____, EPA Region 6 issued to Respondent, and on or about _____, notified the public of an Administrative Complaint, Docket No. VI-91-1617, which included formal findings of violation, notice of a proposed assessment of a civil penalty against Respondent, and notice of Respondent's opportunity to request a hearing on the proposed administrative penalty assessment.

3. On _____, the State of New Mexico was given an opportunity to consult with EPA regarding the assessment of an administrative penalty against the Respondent.

4a. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging 9 to 24 gallons of diesel to the Red River on August 12, 1987.

4b. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging mine tailings to a local acequia (irrigation ditch) system on January 11, 1990; April 13, 1990; and November 20, 1990.

4c. The Respondent has violated Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311, and which permit has been issued to Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by failing to properly operate and maintain its tailings pipeline on December 12, 1989; January 3, 1990; January 11, 1990; April 13, 1990; April 30, 1990; and November 20, 1990, resulting in spills of mine tailings.

4d. The Respondent has violated Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311, and which permit has been issued to Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by violating monthly average and/or daily maximum concentration limits for molybdenum on May 31, 1990, and fourteen (14) days of June 1990.

III. Penalty Order and Consent

Based on the foregoing stipulations and findings, and having taken into account the nature, circumstances, extent, and gravity of the violation(s), Respondent's prior history of compliance, degree of culpability, economic benefit or savings resulting from the violation(s), and ability to pay, and under the authority of Section 309(g) of the Act, 33 U.S.C. § 1319(g), EPA Region 6 hereby ORDERS, AND RESPONDENT HEREBY CONSENTS, that:

1. The provisions of this Consent Agreement shall be binding upon the Respondent, its officers, directors, agents, servants, authorized representatives, employees, and successors or assigns.
2. The Respondent shall mail two (2) copies of the Consent Agreement, each with original signatures, to the attention of Ms. Carlene Ellison (6W-EA) at the following address:

U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

3. The Respondent shall pay _____ for its past violations of the Act cited above by mailing a money order or certified check payable to Treasurer, United States of America, within thirty (30) days of the effective date of Agreement to the following address:

Regional Hearing Clerk (6C-G)
U.S. EPA Region 6
P.O. Box 360582M
Pittsburgh, PA 15251

The money order or check must list the docket number referenced on page 1 of this Order.

Respondent shall send notice of such payment, including a copy of the money order or check, to the Hearing Clerk at the following address:

Regional Hearing Clerk (6C-G)
U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

and a copy to the Enforcement Branch at the following address:

Ms. Carlene Ellison (6W-EA)
U.S. EPA Region 6
Water Management Division
1445 Ross Avenue
Dallas, Texas 75202-2733

IV. General Provisions

1. Issuance of this Order does not constitute a waiver by EPA of its right to enforce the substantive legal requirements underlying this administrative penalty assessment, either administratively or judicially

pursuant to Sections 309(a), (b), and (c) of the Act, 33 U.S.C. § 1319(a), (b), and (c). Nor pursuant to Section 309(g)(7) of the Act, does issuance or compliance with this Order exempt Respondent from responsibility to comply with all requirements of the Act and of any legal order or permit issued pursuant thereto.

2. Failure by Respondent to pay in full the penalty assessed by this Consent Agreement by its due date may subject Respondent to a civil action to collect the assessed penalty plus interest, attorneys' fees, costs, and an additional quarterly nonpayment penalty pursuant to Section 309(g)(9) of the Act, 33 U.S.C. § 1319(g)(9). In any such collection action, the validity, amount, and appropriateness of the penalty and of this Consent Agreement shall not be subject to review.

3. Respondent knowingly and explicitly waives its rights pursuant to Sections 309(g)(2) and (8), 33 U.S.C. § 1319(g)(2) and (8), to a hearing on this penalty assessment and to judicial review of this administrative penalty assessment.

V. Effective Date

This Consent Agreement and Order shall become effective thirty (30) days after the date of issuance noted below unless a petition for a hearing is filed pursuant to Section 309(g)(4)(C) of the Act, 33 U.S.C. § 1319(g)(4)(C), by a person who commented on the proposed penalty assessment. If such a petition is filed, EPA Region 6 will so notify Respondent and will inform Respondent of the effect of the petition on the effective date of this Consent Agreement and Order.

Mr. David R. Shoemaker
Mine Manager
MolyCorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556

Myron O. Knudson, P.E.
Director
Water Management Division (6W)
EPA Region 6

Issued this _____ day of _____, 1991.

Robert E. Layton Jr., P. E.
Regional Administrator
U.S. EPA Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

AD

- 1 - Permit/CD
- 2 - AO & AOmatl
- 3 - DMR's
- 4 - Vic. Start. Log
- 5 - MCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

AUG 21 1990

REPLY TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 176 161 328)

Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: Administrative Order Docket No. VI-90-1037
NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. § 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., Questa Division for the violations described therein.

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. Failure to reach a satisfactory solution to this matter at the meeting referenced under the ORDER portion of this document will result in an EPA administrative penalty or a referral within 120 days to the United States Department of Justice for judicial action with monetary fines. In response hereto, please reference Docket No. VI-90-1037 and your NPDES permit number, and send correspondence to the attention of Mr. A. D. Talton (6W-EAT).

6W-ET:RFUGATE:x6475:AE:08and AE-1A:mmv2&3:6/14/90:02601
6W-ET Graham 8/7/90
6W-E Hartung 8/7/90
6C-W Copley 8/8/90
8/20

P 176 161 328

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse) NM22306

Sent to
Mr. David R. Shoemaker
MolyCorp, Inc., Questa Division

Street and No.
P.O. Box 469

P.O., State and ZIP Code
Questa, NM 87556

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$

Postmark or Date

PS Form 3800, June 1985

It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office is prepared to help you in any way it can. If you have any questions, please contact Mr. Robert Fugate, EPA, Dallas, Texas at (214) 655-6475.

Sincerely yours,

/s/ Myron O. Knudson

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

Enclosure

cc: Ms. Kathleen M. Sisneros
Chief, Surface Water Quality Bureau
New Mexico Environmental
Improvement Division

Mr. Mike Saladen
Water Resource Specialist
Surface Water Quality Bureau
New Mexico Environmental
Improvement Division

Mr. Leroy Apodaca
Manager of Administration
Molycorp, Inc., Questa Division

Scott G. Vail
Environmental Coordinator
Molycorp, Inc., Questa Division

bcc: Ellison (6W-EA) X2
Meacham (6X)
Goetz (6X)
Read File (6W-EA)

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 6

IN THE MATTER OF	§	DOCKET NO. VI-90-1037
	§	
MOLYCORP, INC., QUESTA DIVISION	§	
	§	
PROCEEDINGS UNDER SECTION 309(a)(3),	§	
CLEAN WATER ACT,	§	
[33 U.S.C. § 1319(a)(3)],	§	ADMINISTRATIVE ORDER
In RE: NPDES PERMIT NO. NM0022306	§	

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

I.

Molycorp, Inc., Questa Division (hereinafter the Permittee) is a company in the State of New Mexico and located in Taos County, the mailing address which is P.O. Box 469, Questa, New Mexico 87556.

II.

Pursuant to the authority of Section 402(a)(1) of the Act, 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to the receiving waters named Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

III.

Section 301(a) of the Act, 33 U.S.C. § 1311(a) prohibits the discharge of any pollutant into the waters of the United States except insofar as such discharge is regulated by a permit issued pursuant to Section 402 of the Clean Water Act.

IV.

PERMIT FINDINGS

Part I.A. of the permit places certain limitations on the quantity and quality of effluent discharged by the Permittee. The relevant limitations follow:

<u>Effluent Characteristics</u>	<u>Discharge Concentration Limitations</u>
Total Manganese	1.0 mg/l daily avg.
Total Manganese	1.5 mg/l daily max.
Total Molybdenum	1.0 mg/l daily avg.
Total Molybdenum	2.0 mg/l daily max.
<u>Effluent Characteristic</u>	<u>Discharge Loading Limitations</u>
Total Molybdenum	25 lbs/day daily avg.
Total Molybdenum	50 lbs/day daily max.

Part II.A.1. of the permit states the Permittee's duty to comply, by providing that:

The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Part II.B.1. of the permit requires proper operations and maintenance,
by providing that:

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a Permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

Part III.B. of the permit concerns analysis and reporting and provides that:

Analysis and reporting for Outfalls 001 and 002 shall be accomplished separately for each outfall. In addition, the Permittee shall report the flow weighted average results for Outfalls 001 plus 002. Effluent limitations on weight of total molybdenum shall be the sum total for Outfalls 001 and 002. For determination of compliance with other effluent limitations the following shall apply:

1. Discharge from Outfall 001 shall be in compliance.
2. A composite sample of discharges from Outfalls 001 and 002 monitoring samples combined in flow weighted proportion shall be in compliance, except that concentration limits for molybdenum and manganese are suspended during periods of zero flow from Outfall 001.

During periods when no flow occurs from Outfall 001, monthly average reporting of concentration for molybdenum and manganese shall be based on the average of all composite samples obtained in the month for Outfalls 001 and 002; and monthly maximum reporting of concentration for molybdenum and manganese shall be based on the maximum composite sample obtained in that month for Outfalls 001 and 002. In conjunction with the DMR for each month, the Permittee shall report periods, if any, when no flow exists at Outfall 001.

(Emphasis added.)

V.

FINDINGS OF FACT

The Permittee reopened its mine and mill in October of 1989.

VI.

FINDINGS OF VIOLATION

Based on information provided by EPA, the New Mexico Environmental Improvement Division, and the Permittee, the Regional Administrator, through the Director of the Water Management Division, finds that the Permittee has violated Section 301(a) of the Act, 33 U.S.C. 1311(a), and Parts I.A., II.B.1. and III.C. of the permit.

Violations of 33 U.S.C. 1311(a) - Recent unpermitted discharges include:

<u>Date</u>	<u>Violation</u>
August 12, 1987	The Permittee discharged 9 to 24 gallons of diesel to the Red River. The discharge occurred from a valve leak at the power plant wastewater tank. The pollutant reached the Red River.
January 11, 1990	The Permittee punched a hole in its tailings pipeline which allowed mine tailings to run into a nearby acequia, a water of the United States.
April 13, 1990	The Permittee's pipeline ruptured where a 12-inch pipeline was connected to a 10-inch pipeline. The spill of mine tailings reached an acequia, a water of the United States.

Violation of Part I.A. - Recent violations of effluent limitation include:

<u>Parameter</u>	<u>Date</u>	<u>Outfall Average</u>	<u>Violations</u>
Molybdenum, Total (avg.)	May 31, 1990	001 & 002	Est. 1.25 mg/l
Molybdenum, Total (avg.)	June 1990	001 & 002	Est. 1.33 mg/l

Violations of Part II.B.1. - Recent violations of proper operations and maintenance requirements include:

<u>Date</u>	<u>Violation</u>
December 12, 1989	The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when an underground tailings pipeline ruptured, allowing tailings seepage to surface on Embargo Road, north of State Highway 38.
January 3, 1990	The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when pipeline broke at the sump pump station, within 30 yards of the Red River.
January 11, 1990	The Permittee failed to properly operate and/or maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when the Permittee punched a hole in the pipeline while working on it. The spill ran into a nearby acequia, a water of the United States.
April 13, 1990	The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when a pipeline ruptured where a 12 inch pipeline was connected to a 10 inch pipeline.

Tailings from the spill covered an approximate area of 2 acres with tailings, to a depth of approximately 4 to 5 inches. The spill reached an acequia, a water of the United States. The spill flowed approximately one mile through the acequia, and ponded within 100 yards of of the Red River.

April 30, 1990

The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred a break occurred in tailings line number 1. The spill covered approximately 5000 square feet with tailings, to a depth of approximately 6 inches.

Violation of Part III. C. - Recent failure to report violations include:

<u>Date</u>	<u>Violation</u>
May 31, 1990	The Permittee did not report the flow weighted average results for Outfalls 001 plus 002, except for the total molybdenum loading.
June 1990	The Permittee did not report the flow weighted average results for Outfalls 001 plus 002, except for the total molybdenum loading.

VI.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. Failure to reach satisfactory solution to this matter at the meeting referenced under the ORDER portion of this document will result in an EPA administrative penalty or referral to the U.S. Department of Justice for judicial action with monetary fines.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(3) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

A. That the Permittee, within thirty (30) days of the effective date of this Order, shall take whatever corrective action is necessary to eliminate and prevent recurrence of the violations cited in the FINDINGS OF VIOLATION. In addition, the Permittee shall, within thirty (30) days, of the effective date of this Order, submit a report detailing the specific actions taken and why such actions are sufficient to prevent recurrence of the cited violations.

B. In the event the Permittee believes that complete correction of the previously cited noncomplying discharges is not physically possible within thirty (30) days of the effective date of this Order, the Permittee shall submit, within thirty (30) days, of the effective date of this Order, a comprehensive plan for the expeditious elimination and prevention of such noncomplying discharges. Such plan shall provide for specific corrective actions to be taken and shall include a critical path schedule for the achievement of compliance within the shortest time possible.

C. That the Permittee appear at the Region 6 offices of the United States EPA, 1445 Ross Avenue, 12th Floor, Dallas, Texas, before the undersigned or designee, to show cause why the Permittee has not complied with the mandate of Section 301 of the Act and to show cause why the EPA should not take further enforcement action against the Permittee.

D. The Permittee shall arrange a meeting with EPA to be held within thirty (30) days of the effective date of this Order. The Permittee shall submit all written material relevant to the previously mentioned issues on which it intends to make its showing at least ten (10) days prior to the scheduled meeting. Concurrently with such material, the Permittee shall submit to the EPA any proposed compliance schedule for achieving complete compliance with the permit. The information to be submitted shall include, but not be limited to, the following:

1. Schedule and cost of pipeline replacement since October 1989 and planned pipeline replacement.
2. Cost to Permittee of ultrasonic testing to determine pipeline soundness.
3. Schedule to clean up any remaining spill sites, not yet cleaned, and the date other spill sites were cleaned.
4. Estimated volume of each spill and estimated volume of solids of each spill.

5. Whether the Permittee uses or has used any acequia for any purpose. If so, describe all uses.
6. Report the flow weighted average results, for both concentration and loading for outfalls 001 and 002 on each day of discharge from 001, since May 1, 1990.
7. Exact date milling operations began, under the current permit.
8. Planned discharge rates from Outfalls 001 and 002, under the current milling operations (3 months of milling, 3 months without milling).

To arrange the meeting and to provide any comments or questions concerning this matter, please contact Mr. Robert Fugate of our office at telephone (214) 655-6475.

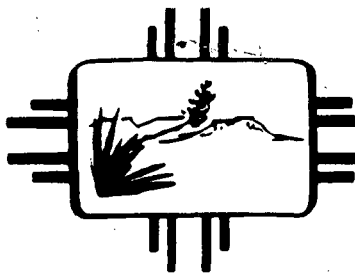
The effective date of this Order shall be the date it is received by the Permittee.

DATED: This AUG 21 1990 day of _____, 1990.

/s/ Myron O. Knudson

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

New Mexico Health and Environment Department



CERTIFIED MAIL NO. P 438 039 175
RETURN RECEIPT REQUESTED

January 24, 1991

Mr. Myron O. Knudson, P.E.
Director
Water Management Division (6W)
U. S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Attention: Pam Teel

RE: Notice of Proposed Administrative Penalty Assessment, Docket
No. VI-91-1617 NPDES Permit No. NM0022306 - Molycorp, Inc.

Dear Mr. Knudson:

I am in receipt of your January 15, 1991 letter concerning EPA's proposed administrative penalty assessment to Molycorp, Inc. Your letter offered the State of New Mexico an opportunity to confer with EPA regarding the proposed penalty assessment. Thank you for the opportunity to review the proposal and to request a conference. As you know, representatives the EID participated in the September 21, 1990 show cause meeting between the EPA and Molycorp.

We also had opportunity to discuss the case (as well as others) during the recent quarterly enforcement meeting with EPA. Therefore, we feel there is no need to request a formal conference. I would appreciate being kept up to date as EPA proceeds with the complaint. I can be reached at (505) 827-1087.

Sincerely,

Jim Piatt
Acting Chief
Surface Water Quality Bureau

JP:GES:10

xc: Pam Teel, USEPA (6W-ET)
Rip Harwood, Office of General Counsel, HED

RECEIVED

JAN 27 1991

6W-EA

BRUCE KING
Governor

DENNIS BOYD
Secretary

MICHAEL J. BURKHART
Deputy Secretary

RICHARD MITZELFELT
Director

- ☒ 1 - Permit/CD
- ☒ 2 - AO & AO matl
- ☐ 3 - DMR's
- ☐ 4 - Vio. Sum. Log
- ☐ 5 - NCR
- ☐ 6 - Correspondence
- ☐ 7 - CRAS
- ☐ Date Filed
- ☐ Clerk's Inits.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

NM0022306
PERMIT NUMBER

001 A
DISCHARGE NUMBER

F - FINAL RECEIVED
PROCESS WATER

NO FLOW FOR **JAN 1992** MONTH:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
91	12	01		91	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90		WEEKLY	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30		WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05		TWICE/WEEK	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0		WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05		WEEKLY	COMPOS

1 - Permit/CD
2 - AO & AO mail
3 - DMR's
4 - Vis Sum Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
David R. Shoemaker Mine Manager			505 586 7601	92 01 10
TYPED OR PRINTED			AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number," and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period"; "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipalities with secondary treatment requirement: Enter 30-day average of sample measurements under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont." for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number," and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY _____
 LOCATION _____

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL

PROCESS **RECEIVED**


NO FLOW FOR ENTIRE MONTH:

JAN 4 1992

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX	MG/L		WEEKLY COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX	MG/L		WEEKLY COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO FLOW	NO FLOW		*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN TOTALZ UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505 586 7601	92	01	10	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

NO FLOW FOR ENTIRE MONTH:

MAJOR JAN 14 1992

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		505 586 7601		92	01	10
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

OMB No. 2040-0004/ED

F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
91	12	01	91	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(5 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. OF ANALYSIS (62-63)	FREQUENCY (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.0	1.0	(19)	0	1/WK	COMPOS			
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90	MG/L		DAILY AV	DAILY MX	ONCE/MONTH		
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(30)	7.2	*****	7.4	(12)	0	1/WK	GRAB			
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	SU		MINIMUM	MAXIMUM	ONCE/MONTH		
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.5	4.5	(19)	0	1/WK	COMPOS			
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30	MG/L		DAILY AV	DAILY MX	ONCE/MONTH		
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	.0019	.0022	(19)	0	1/WK	COMPOS			
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05	MG/L		DAILY AV	DAILY MX	ONCE/MONTH		
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.2	(19)	0	1/WK	COMPOS			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0	MG/L		DAILY MX		ONCE/MONTH		
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than .01	less than .01	(19)	0	1/WK	COMPOS			
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0	MG/L		DAILY AV	DAILY MX	ONCE/MONTH		
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than .01	(19)	0	1/WK	COMPOS			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05	MG/L		DAILY MX		ONCE/MONTH		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586 7601

AREA CODE

NUMBER

92 01 10

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00840/910401-1759

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR RECEIVED
Form Approved
OMB No. 2040-0004
F - FINAL Approval expires 6-30-91.
SEEPAGE TAILING INPOUNDMENT
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	less than .03	less than .03	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		ONCE/ MONTH	
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	*****	0.19	(19)		1/WK COM	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY COMPOS	
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	less than 0.1	less than 0.1	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.5 DAILY MX	MG/L		ONCE/ MONTH	
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	1.52	1.61	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	1.70	1.71	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	*****	.015	(19)	0	1/WK COM	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		ONCE/ MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.416	0.455	(MG)	*****	*****	*****	()	0	DAILY ESTIMA	
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY ESTIMA	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					505 586 7601		92 01 10		
TYPED OR PRINTED							AREA CODE		NUMBER		YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00841/910401-1759

PAGE 0F

2

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No. 2040-0004

Final Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

JAN 4 1992

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

FACILITY

LOCATION

ATTN: DAVID R. SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(mg/L)	*****	less than 0.0002	less than 0.0002	(-19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David R. Shoemaker Mine Manager					
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586.7601	92	01	10
		AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00842/910401-1759

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. OUESTA DIV.
 ADDRESS P. O. BOX 469
OUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) SUM A
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR RECEIVED Form Approved
 OMB No. 2040-0004
 F FINAL Approval expires 6-30-91.
 SUN TOTAL JAN FEB 1991 8 002

FACILITY _____
 LOCATION _____

MONITORING PERIOD
 FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.38	5.96	(26)	*****	*****	*****	(lbs/day)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586 760	92	01	10
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
 MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLICORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

RECEIVED

Flow weighted

Composite 001+002

JAN 14 1992

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	*****	*****		*****					
00340 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	60	90		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0		WEEKLY	GRAB
EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM	SD		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****					
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	20	30		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	*****	*****		*****					
00720 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05		TWICE/	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L	WEEK	
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00951 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0		WEEKLY	COMPOS
EFFLUENT GROSS VALUE							DAILY MX	MG/L		
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	*****	*****		*****					
01002 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01027 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05		WEEKLY	COMPOS
EFFLUENT GROSS VALUE							DAILY MX	MG/L		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
David R. Shoemaker Mine Manager			505 586-7601	92 01 10			
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA **NM 87556**
FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) **NM0022306** (17-19)
PERMIT NUMBER
DISCHARGE NUMBER
MONITORING PERIOD
FROM
YEAR MO DAY TO YEAR MO DAY
91 12 01 91 12 31
(20-31) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved.
OMB No. 2040-C004
Approval expires 6-30-91
Flow weighted
RECEIVED
COMPOSITE 001-002
JAN 14 1992
MAJOR
NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY COMPOS	
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.6 DAILY MX	MG/L		WEEKLY COMPOS	
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY COMPOS	
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY COMPOS	
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.2 DAILY MX	MG/L		WEEKLY COMPOS	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN TOTALZ UOUS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)				TELEPHONE		DATE			
David R. Shoemaker Mine Manager						505 586-7601		92 01 10			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

NN0022306

PERMIT NUMBER

DISCHARGE NUMBER

RECEIVED
Flow-weighted
composite 001+002
JAN 14 1992

Form Approved.
OMB No. 2040-0004
Approval expires 6-30

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	91	12	01		91	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX			WEEKLY COMPO
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker

Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505
AREA
CODE

586-7601
NUMBER

92

01

10

YEAR

MO

DAY

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA ANN 87556FACILITY QUESTALOCATION QUESTAATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL
PROCESS WATERNo FLOW FOR DEC MONTH

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (60-61)	AVERAGE (62-63)	MAXIMUM (64-65)			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****				
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

505 586-7601

AREA CODE NUMBER

TELEPHONE

DATE

91 12 5

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL
PROCESS WATER

RECEIVED

NO FLOW FOR DEC 1991 MONTH

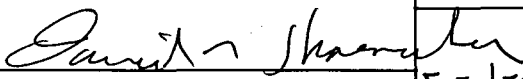
MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
91	11	01		91	11	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS NO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX	MG/L		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUAL	TOTALZ

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
TYPED OR PRINTED			505	586-7601	91	12	5

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL
PROCESS WATER

RECEIVED

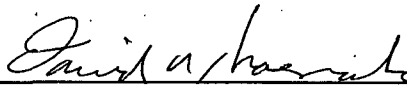
DEC 10 1991

No Flow For ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
TYPED OR PRINTED			505 586-7601	91	12	5	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 **002 A**
PERMIT NUMBER DISCHARGE NUMBER

MAJOR Form Approved.
OMB No. 2040-0004
F - FINAL Approval expires 6-30-91
SEEPAGE TAILING IMPOUNDMENT

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
91 11 01 91 11 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	4.25	10.0	(19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/MONTH	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****	(SU)	7.3	*****	7.4	(12)	0	1/WK	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	2.40	5.0	(19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	0.0023	0.0035	(19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.0	(19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.01	less than 0.01	(19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/MONTH	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					505 586-7601		91	12	5
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No. 2040-0004

F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING COMPOUND

FACILITY

LOCATION

ATTN: DAVID R. SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM YEAR 91 MO 11 DAY 01 TO YEAR 91 MO 11 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.03	less than 0.03	(19)	0	1/wk	Compos
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.24	(19)	0	1/wk	Com
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.1	less than 0.1	(19)	0	1/wk	Compos
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.40	1.50	(19)	0	1/wk	Compos
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.87	1.93	(19)	0	1/wk	Compos
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.02	(19)	0	1/wk	Comp
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.415	0.427	(MGD)	*****	*****	*****	(MGD)	0	DAILY	ESTIM
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE

505 586-7601

DATE

91 12 5

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **HOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NH 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NN0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

OMB No. 2040-0004.

F - FINAL Approval expires 6-30-91

SEEPAGE TAILING IMPOUNDMENT

*** NO DISCHARGE DEC 10 1991 ***

NOTE: Read instructions before completing this form.

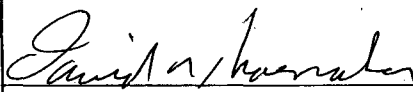
FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
91	11	01	91	11	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS (62-63)	NO. OF ANALYSIS (64-68)	FREQUENCY OF ANALYSIS (69-70)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(-19)	0	1/WK	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505 586-7601	91	12	5	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00839/910401-1759

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

SUM A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No. 2040-0004

F - FINAL Approval expires 6-30-91

SUM TOTAL FOR 001 & 002

DEC 10 1991

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. OF EX. ANALYSIS (62-63) (64-68)	FREQUENCY ANALYSIS (69-70)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.59	6.63	(26)	*****	*****	*****	(lbs/day)	0	1/WK	Compos
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	12
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.

MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY _____
 LOCATION _____
 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL
 PROCESS WATER

No Flow For ENTIRE MONTH
6W-EA

RECEIVED
NOV - 8 1991
6W-EA

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
91	10	01		91	10	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPOS

1. Permit/CD
 2. AO & AO that
 3. DMRs
 4. Vio. Sum. 108
 5. NCR
 6. Correspondence
 7. CRAS
 Date Filed
 Clerk's Inits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
David R. Shoemaker Mn. Manager		<i>David R. Shoemaker</i>	505 586-7601	91 11 06
TYPED OR PRINTED			AREA CODE NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

NO FLOW FOR ENTIRE MONTH


MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
91	10	01	91	10	31
(20-21)			(26-27)		
(22-23)			(28-29)		
(24-25)			(30-31)		

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN	TOTALZ HOURS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE	
David R. Shoemaker Mine Manager			505-581-2601	91	11
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NOV - 8 1991

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NAME **HOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

NO FLOW FOR ENTIRE MONTH

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

FROM

YEAR
91

MO
10

DAY
01

TO

YEAR
91

MO
10

DAY
31

(20-21) (22-23) (24-25)

(26-27) (28-29) (30-31)


MONITORING PERIOD

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
NOV - 8 1991
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE
David R. Shoemaker Mine Manager		505 586-7601	91 11 06
TYPED OR PRINTED		AREA CODE NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **MOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted

COMPOSITE 001+002

MAJOR

NOTE: Read Instructions before completing this form.

 Form Approved.
 OMD No. 2010-0004
 Approval expires 6-30-91

NOV - 8 1991
SW EA

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****		*****						
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	0.15	0.30			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****		*****						
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	0.3	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****		*****						
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	1.0	1.5			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****		*****						
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	1.0	2.0				
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.2			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT				*****	*****	*****				
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTINTOTALZ	UOUS
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD				****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>David R. Shoemaker</i>	TELEPHONE	DATE		
			505 AREA CODE	586-7601 NUMBER	91 YEAR	11 MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Facility Name/Location (if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
NM0022306
PERMIT NUMBER
DISCHARGE NUMBER

Form Approved
OMB No. 2040-0034
Approval expires 6/30/91

Flow weighted
composite 001+002

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD
FROM
YEAR MO DAY TO YEAR MO DAY
91 10 01 91 10 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPO
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
NOV - 8 1991
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager						
TYPED OR PRINTED		505 586-7601		91	11	06
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) (17-19)
(2-16)

Facility Name/Location (if different)
NAME **MOLICORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NM0022306
PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted
Composite 001+002

RECEIVED
NOV - 8 1991
6W-EA

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
91	10	01	91	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SD		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/WEEK	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 586-7601
DATE
91 11 06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

SUM A

DISCHARGE NUMBER

MAJOR

Form Approved.

OMB No. 2040-0004.

F - FINAL Approval expires 6-30-91.

SUM TOTAL FOR 001 & 002

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

FROM

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
91	10	01	TO	91	10	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.71	6.54	(26)	*****	*****	*****	(lbs/dy)	0	1/wk	Compos
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	**** ****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
NOV - 8 1991
SWE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		505 586-7601		91	11	06
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No 2040-0004

F - FINAL Approval expires NOV 91 8 1991
SEEPAGE TAILING IMPOUNDMENT

MONITORING PERIOD

FROM YEAR 91 MO 10 DAY 01 TO YEAR 91 MO 10 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	4.60	5.0	(19)	0	1/WK	Compos		
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/MONTH	COMPOS		
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(Su)	7.2	*****	7.4	(12)	0	1/WK	GRA		
	PERMIT REQUIREMENT	*****	*****	****	5.0 MINIMUM	*****	9.0 MAXIMUM			ONCE/MONTH	GRAB		
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.56	2.7	(19)	0	1/WK	Compos		
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/MONTH	COMPOS		
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	0.0007	0.0018	(19)	0	1/WK	Compos		
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/MONTH	COMPOS		
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.0	(19)	0	1/WK	Compos		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/MONTH	COMPOS		
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	Less than 0.01	Less than 0.01	(19)	0	1/WK	Comp		
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/MONTH	COMPOS		
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	Less than 0.02	(19)	0	1/WK	Compos		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/MONTH	COMPOS		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE				
David R. Shoemaker Mine Manager							505 586-7601		91	11	06		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SPPB # 1
EPA Form 3520-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00834/910401-1759

PAGE 1 OF

1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. OUESTA DIV.**

ADDRESS **P. O. BOX 469**

OUESTA

NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

002 A

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR **91** MO **10** DAY **01** TO YEAR **91** MO **10** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

Form Approved.

OMB No. 2040-0004.

F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	0.01	0.05	(19)	0	1/wk Compos
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			ONCE/ COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.17	(19)	0	1/wk Com
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L		
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	0.04	0.1	(19)	0	1/wk Compos
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			ONCE/ COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.42	1.51	(19)	0	1/wk Compos
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/ COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.79	1.84	(19)	0	1/wk Compos
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/ COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.02	(19)	0	1/wk Comp
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			ONCE/ COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L		MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.416	0.469	(MGD)	*****	*****	*****	(MGD)	0	DAILY ESTIM
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		DAILY ESTIMA
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD				****		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

AREA
CODE

NUMBER

YEAR MONTH DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00835/910401-1759

NOV - 8 1991

6W-EA OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

OMB No. 2040-0004.

F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM YEAR 91 MO 10 DAY 01 TO YEAR 91 MO 10 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(-19)	0	1/wk	Compos
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED

NOV - 8 1991

6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		505	586-7601	91	11	06
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM GPPD # 1

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00836/910401-1759

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
002 A
DISCHARGE NUMBER
PERMIT NUMBER NM0022306

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILINGS TREATMENT

FACILITY
LOCATION

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
92	12	01		92	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	7.73	10.3	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/ COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() SU	7.18	*****	7.50	(12)	0	1/WK GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/ GRAB
				****	MINIMUM		MAXIMUM	SU		MONTH
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	3.58	5.20	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/ COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	.0023	.0024	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/ COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	2.07	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/ COMPOS
				****			DAILY MX	MG/L		MONTH
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.005	LESS THAN 0.005	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/ COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	LESS THAN 0.005	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/ COMPOS
				****			DAILY MX	MG/L		MONTH
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager						505 586 7601		93	01	11
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POND

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 92 MO 12 DAY 01 TO YEAR 92 MO 12 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	.010	.013	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30	MG/L		ONCE/MONTH	COMPOS		
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	0.135	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6	MG/L		WEEKLY	COMPOS		
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.1	LESS THAN 0.1	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6	MG/L		ONCE/MONTH	COMPOS		
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	1.57	1.63	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		ONCE/MONTH	COMPOS		
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	2.18	2.23	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		ONCE/MONTH	COMPOS		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	.023	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2	MG/L		ONCE/MONTH	COMPOS		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.374	0.390	(03) MGD	*****	*****	*****	()	0	DAILY	ESTIMA		
	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****		DAILY	ESTIMA		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE					
David R. Shoemaker Mine Manager						505 586 7601		93	01	11			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER		YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE TAILING POND
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00047/920401-1734

PAGE 2 OF 2

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILINGS TREATMENT

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM YEAR **92** MO **12** DAY **01** TO YEAR **92** MO **12** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.0002	LESS THAN 0.0002	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001	0.002			ONCE/MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JAN 15 1993
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>David R. Shoemaker</i>	TELEPHONE		DATE		
			505.586.7601	93	01	11	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SPPD # 1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00048/920401-1734

PAGE 3 OF

NH 87556

(17-19)

NR0022306

PERMIT NUMBER

SUN A

DISCHARGE NUMBER

MAJOR

Form Approved.

OMB No. 2040-0004

P - FINAL OMB No. 2040-0004
SUM TOTAL Approval expires 09-31-94

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

FROM

YEAR	MO	DAY
97	12	01

TO

YEAR	MO	DAY
92	12	31

(20-21)	(22-23)	(24-25)
---------	---------	---------

(26-27)	(28-29)	(30-31)
---------	---------	---------

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53)			(4 Card Only) (38-45)				QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS						
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0	SAMPLE MEASUREMENT	6.55	7.26	(26) lbs/dy	*****	*****	*****	()	0	1/WK COMPOS				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY COMPOS				
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													

RECEIVED
 JAN 15 1993
 6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		505	586 7601	93	01	11
David R. Shoemaker Mine Manager						
TYPED OR PRINTED						
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.

MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLICORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

Form Approved.

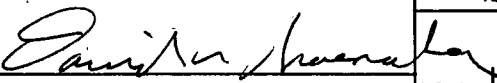
OMB No. 2040-0004

Approval expires 6-30-91

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53)			(4 Card Only) (38-45)			(4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE				MAXIMUM	UNITS		
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	*****	60	90		DAILY AV	DAILY MX	MG/L	WEEKLY	COMPOS				
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM				SU	WEEKLY	GRAB				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	*****	20	30		DAILY AV	DAILY MX	MG/L	WEEKLY	COMPOS				
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	*****	0.025	0.05		DAILY AV	DAILY MX	MG/L	TWICE/ WEEK	COMPOS				
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	3.0				MG/L	WEEKLY	COMPOS				
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	*****	0.5	1.0		DAILY AV	DAILY MX	MG/L	WEEKLY	COMPOS				
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****												
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.05				MG/L	WEEKLY	COMPOS				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION CONTAINED HEREIN; AND BASED ON MY INQUIRY OF THE PERSONS WHOSE NAMES ARE LISTED AS RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of 5 years and 6 months respectively.)										TELEPHONE		DATE			
David R. Shoemaker												505 586 7601		93	01	11	
Mine Manager												AREA CODE		NUMBER		YEAR	MO
TYPED OR PRINTED																	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

6W-EA

NAME **MOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**
NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	12	01		92	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53)			(4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****		*****						
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****		*****						
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****		*****						
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	1.5			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****		*****						
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	2.0				
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO FLOW FOR ENTIRE MONTH									
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTIN	TOTALZ
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD				****		UOUS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON AND ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager							505 586 7601		93	01	11
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

6W-EA

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **HOLICORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NH 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM YEAR **92** MO **12** DAY **01** TO YEAR **92** MO **12** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NO DISCHARGE FOR ENTIRE MONTH:
MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53)			(4 Card Only) (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JAN 15 1993
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David R. Shoemaker		505 586 7601	93 01 11		
Mine Manager		AREA CODE	NUMBER	YEAR	MO
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME MOLICORP INC. QUESTA DIV.		(2-16)		(17-19)		OMB No. 2040-0004 Approval expires 6-30-97							
ADDRESS P. O. BOX 469		WM0022306		PERMIT NUMBER		DISCHARGE NUMBER							
CITY QUESTA		RM 87556				Flow weighted Composite 001+002							
FACILITY LOCATION		MONITORING PERIOD											
		FROM			TO								
		YEAR	MO	DAY	YEAR	MO	DAY						
		92	12	01	92	12	31						
		(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)						
ATTN: DAVID R SHOEMAKER, GEN. SUPT.		NOTE: Read instructions before completing this form.											
PARAMETER (32-37)		QUANTITY OR LOADING (34-61)			QUALITY OR CONCENTRATION (34-61)			NO. EX. ANALYSIS		FREQUENCY		SAMPLE TYPE	
		AVERAGE			MINIMUM			AVERAGE		MAXIMUM		UNITS	
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)		*****			*****			*****		*****		*****	
00340 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
PH		*****			*****			*****		*****		*****	
00400 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
SOLIDS, TOTAL SUSPENDED		*****			*****			*****		*****		*****	
00530 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
CYANIDE, TOTAL (AS CN)		*****			*****			*****		*****		*****	
00720 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
FLUORIDE, TOTAL (AS F)		*****			*****			*****		*****		*****	
00951 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
ARSENIC, TOTAL (AS AS)		*****			*****			*****		*****		*****	
01002 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
CADMIUM, TOTAL (AS CD)		*****			*****			*****		*****		*****	
01027 1 0 0		*****			*****			*****		*****		*****	
EFFLUENT GROSS VALUE		*****			*****			*****		*****		*****	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE			
David R. Shoemaker Mine Manager					<i>David R. Shoemaker</i>			505 586-7601		93 01 11			
TYPED OR PRINTED								AREA CODE NUMBER		YEAR MO DAY			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)													

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JAN 1 1993

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) **NM0022306**
PERMIT NUMBER
(17-19) **DISCHARGE NUMBER**

Flow weighted
COMPOSITE 001+002
Form Approved
OMB No. 2040-C004
Approval expires 6-30-91

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	12	01		92	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
NOTE: Read instructions before completing this form.
RECEIVED
JAN 13 1993
6W-EA

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-68)	FREQUENCY OF ANALYSIS (68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY COMPO
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****		0.6 DAILY MX	MG/L		WEEKLY COMPO
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY COMPO
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY COMPO
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****		0.2 DAILY MX	MG/L		WEEKLY COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	***		CONTIN TOTAL UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>David R. Shoemaker</i>	TELEPHONE 505 586-7601	DATE 93 01 11
TYPED OR PRINTED		AREA CODE NUMBER	YEAR MO DA	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ADDRESS P. O. BOX 469

QUESTA

NM 87556

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted
composite 001+002

FACILITY

LOCATION

MONITORING PERIOD

FROM

YEAR MO DAY
92 12 01

TO

YEAR MO DAY
92 12 31

(20-21) (22-23) (24-25)

(26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLING TYPE (69)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	*****		*****					
71900 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L	WEEKLY	CONF
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

RECEIVED

JAN 15 1993

6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505
AREA
CODE586-7601
NUMBER93
YEAR01
MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILPITS EXPOSURE

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	11	01		92	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	7.81	9.50	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX	MG/L		ONCE/ COMPOS MONTH	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() SU	7.23	*****	7.40	(12)	0	1/WK GRAB	
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	SU		ONCE/ GRAB MONTH	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	4.10	4.50	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX	MG/L		ONCE/ COMPOS MONTH	
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	.0017	.0021	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX	MG/L		ONCE/ COMPOS MONTH	
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	2.18	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0	MG/L		ONCE/ COMPOS MONTH	
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.005	LESS THAN 0.005	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX	MG/L		ONCE/ COMPOS MONTH	
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	LESS THAN 0.005	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05	MG/L		ONCE/ COMPOS MONTH	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					505	586 7601	92	12	02
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00043/920401-1734

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NH 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER
NM0022306

DISCHARGE NUMBER
002 A

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POND

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
92	11	01		92	11	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.02	LESS THAN 0.02	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		ONCE/ COMPOS MONTH
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	0.175	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.1	LESS THAN 0.1	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		ONCE/ COMPOS MONTH
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	1.35	1.38	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ COMPOS MONTH
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	2.09	2.18	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ COMPOS MONTH
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	.029	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		ONCE/ COMPOS MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.373	0.379	(-03) MGD	*****	*****	*****	()	0	DAILY ESTIMA
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586 760
AREA CODE NUMBER

92 12 02
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE TAILING POND
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00044/920401-1734

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POND

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 92 MO 11 DAY 01 TO YEAR 92 MO 11 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.0002	LESS THAN 0.0002	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001	0.002			ONCE/MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
DEC 9 1992
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586 7601	92 12 02		
TYPED OR PRINTED	AREA CODE	NUMBER	YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00045/920401-1734

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 PERMIT NUMBER
(17-19) SUM A DISCHARGE NUMBER

MAJOR

Form Approved.

OMB No. 2040-0004

F - FINAL
SUM TOTAL FOR 0019 0021-94

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 92 MO 11 DAY 01 TO YEAR 92 MO 11 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.55	6.90	(-26) lbs/DY	*****	*****	*****	(lbs)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
DEC 9 1992
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE 505 586 7601	DATE		
David R. Shoemaker Mine Manager			92	12	02
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

Approval expires 6.30.15

QUESTA _____ NM 87556

PERMIT NUMBER

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM

TO

YEAR	MO	DAY
92	11	01

YEAR	MO	DAY
92	11	30

(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)
---------	---------	---------	---------	---------	---------

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (54-61)	AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	60 DAILY AV	90 DAILY MX	MG/L		WEEKLY	COMPO
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY	COMPO
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/	COMPO
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	3.0 DAILY MX	MG/L		WEEKLY	COMPO
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY	
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.05 DAILY MX	MG/L		WEEKLY	COMPO

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1318. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

**SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT**

TELEPHONE

DATE _____

505 1586-7601

AREA
CODE

NUMBER

9

12

103

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) **NM0022306** (17-19)
PERMIT NUMBER DISCHARGE NUMBER

Flow weighted
COMPOSITE 001+002
MAJOR
NOTE: Read instructions before completing this form.

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD
FROM YEAR 92 MO 11 DAY 01 TO YEAR 92 MO 11 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	0.15 DAILY AV	0.30 DAILY MX			WEEKLYCOMPO
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.6 DAILY MX			WEEKLYCOMPO
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	0.3 DAILY AV	0.6 DAILY MX			WEEKLYCOMPO
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	1.5 DAILY MX			WEEKLYCOMPO
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	2.0 DAILY MX			MG/L
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.2 DAILY MX			WEEKLYCOMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	***		CONTINTOTAL UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		505 586-7601		92	12	0
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLICORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

(2-16)
NM0022306
PERMIT NUMBER

(17-19)
DISCHARGE NUMBER

OMB No. 2040-001
Approval expires 6/9

Flow weighted
composite 001+002

FACILITY
LOCATION

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	11	01		92	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	CON
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
David R. Shoemaker
Mine Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 | 586-7601
AREA CODE | NUMBER
DATE
92 | 12
YEAR | MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Facility Name/Location (if different)
NAME **HOLICORP INC. QUESTA DIV.**
Address **P. O. BOX 469**
QUESTA NM 87556

Discharge Monitoring System ID Number (2-16)
NM0022306
Permit Number
(17-19)
001 A
Discharge Number

P - FINAL
PROCESS WATER
OMB No. 2040-0004
Approval expires 6-30-91

FACILITY LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD
FROM YEAR **92** MO **11** DAY **01** TO YEAR **92** MO **11** DAY **30**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NO DISCHARGE FOR ENTIRE MONTH:
MAJOR **DISCHARGE**
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) (46-53)			(4 Card Only) (38-45)	QUALITY OR CONCENTRATION (46-53) (54-61)			NO. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	60	90	MG/L			WEEKLY COMPO
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	SU			WEEKLY
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	20	30	MG/L			WEEKLY COMPO
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.025	0.05	MG/L			TWICE/COMPO WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	3.0	MG/L			WEEKLY COMPO
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.5	1.0	MG/L			WEEKLY
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	0.05	MG/L			WEEKLY COMPO

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of 6 years to 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		505 586 7601		92	12	02
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

6W-EA

NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

(2-16)
NM0022306
PERMIT NUMBER

(17-19)
001 A
DISCHARGE NUMBER

F - FINAL
PROCESS WATER

OMB No. 2040-0004
Approval expires 6-30-97

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	11	01		92	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NO DISCHARGE FOR ENTIRE MONTH:
MAJOR
NOTE: Read instructions before completing this form.

RECEIVED

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)			NO 1992 (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	0.15 DAILY AV	0.30 DAILY MX	6W	WEEKLY	COMPO
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****		0.6 DAILY MX		WEEKLY	COMPO
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	0.3 DAILY AV	0.6 DAILY MX		WEEKLY	COMPO
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	1.5 DAILY MX		WEEKLY	COMPO
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	2.0 DAILY MX			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****		0.2 DAILY MX		WEEKLY	COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE FOR ENTIRE MONTH:			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTIN	TOTAL UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 586 7601
AREA CODE NUMBER
DATE
92 12 02

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

NM0022306
PERMIT NUMBER

001 A
DISCHARGE NUMBER

F - FINAL
PROCESS WATER

OMB No. 2040-0004
Approval expires 6-30-92

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
92	11	01		92	11	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NO DISCHARGE FOR ENTIRE MONTH:
MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPO
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED

DEC 9 1992

6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 686 7601
AREA CODE NUMBER

92 12 02
YEAR MO DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NH 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POND

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 10 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-55) (56-57) (58-59) (60-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	5.42	7.90	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****	() SU	7.30	*****	7.67	(12)	0	1/WK	GR
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	3.36	4.70	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	.0020	.0024	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	2.20	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.005	LESS THAN 0.005	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	LESS THAN 0.005	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
David R. Shoemaker
Mine Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
505 586 760
AREA CODE NUMBER

TELEPHONE
DATE
92 11 12
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE TAILING POND
EPA FORM 3320-1 (REV. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00040/920401-1734

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)
00022306

PERMIT NUMBER

(17-19)
002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING REPOUNDMENT

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	10	01		92	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.02	LESS THAN 0.02	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L	ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	0.206	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L	WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.1	LESS THAN 0.1	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L	ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	1.40	1.41	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L	ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	2.08	2.19	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L	ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	0.009	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L	ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.376	0.397	(03) MGD	*****	*****	*****	()	0	DAILY ESTIMA
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	DAILY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586 7601

AREA
CODE

NUMBER

92 11 12

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00041/920401-1734

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

002 A

PERMIT NUMBER

DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POUNDMENT

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 10 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.0002	LESS THAN 0.0002	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ COMPOS MONTH
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

RECEIVED
NOV 19 1992
OWEA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE				
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586 760	92 11 12	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00042/920401-1734

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) **MM0022306** (17-19) **SUM A**
PERMIT NUMBER **DISCHARGE NUMBER**

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004
SUM TOTAL FOR 1992 10021-94

FACILITY
LOCATION
ATTN: DAVID R. SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 10 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.65	7.26	(26) lbs	*****	*****	*****	(lbs)	8	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
NOV 19 1992

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		505 586 7610		92	11	12
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

NAME **HOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	10	01		92	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/	COMPOS WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF PERJURY THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586 7601

AREA CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **MOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**
NN0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	10	01		92	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NO DISCHARGE FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX		MG/L	WEEKLY COMPO
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX		MG/L	WEEKLY COMPO
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX		MG/L	WEEKLY COMPO
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX		MG/L	WEEKLY COMPO
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX		MG/L	
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX		MG/L	WEEKLY COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE FOR ENTIRE MONTH:			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTIN TOTAL UOOS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

 David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

 SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

 505
AREA
CODE

 586 7610
NUMBER

 92
YEAR

 11
MO

 12
DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**
NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

MONITORING PERIOD

FROM

YEAR	MO	DAY
92	10	01

TO

YEAR	MO	DAY
92	10	31

(20-21) (22-23) (24-25)

(26-27) (28-29) (30-31)

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53)			(4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
NOV 19 1992
EPA-VA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE		DATE	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		505 586 7601	92 11 12
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **MOLICORP INC. QUESTA DIV.**
ADDRESS **P.O. BOX 469**
QUESTA NM 87556(2-16)
NM0022306

PERMIT NUMBER

(17-19)
DISCHARGE NUMBERFlow weighted
Composite 001+002FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD								
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY	
	92	10	01		92	10	31	
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)	

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPO
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****				
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	WEEKLY	GR
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPO
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPO WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPO
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPO
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPO
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager						505 586-7601		92	11	12
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) **NM0022306**
PERMIT NUMBER
(17-19)
DISCHARGE NUMBER

Flow weighted
COMPOSITE 001+002
Form Approved.
OMB No. 2040-C004
Approval expires 6-30-91

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD
FROM
YEAR MO DAY TO YEAR MO DAY
92 10 01 92 10 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53)			(4 Card Only) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX		MG/L	WEEKLY COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX		MG/L	WEEKLY COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX		MG/L	WEEKLY COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX		MG/L	WEEKLY COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX		MG/L	
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX		MG/L	WEEKLY COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTIN TOTAL UOUS	7

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE 505 586-7601		DATE 92 11 12		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>David R. Shoemaker</i>		AREA CODE	NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLICORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

(2-16)
NM0022306

PERMIT NUMBER

(17-19)
DISCHARGE NUMBER

Flow weighted
composite 001+002

OMB No. 2040-0041
Approval expires 6/92

FACILITY
LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	10	01		92	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L	WEEKLY	CONP
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586-7601
AREA CODE NUMBER

92 11
YEAR MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLICORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	09	01		92	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**F - FINAL
PROCESS WATER**

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

NO DISCHARGE FOR ENTIRE MONTH:
MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	*****	*****		*****						
00340 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
PH	SAMPLE MEASUREMENT	*****	*****		*****						
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0	8.0	9.0			WEEKLY	GRAB
EFFLUENT GROSS VALUE				****	MINIMUM	MAXIMUM		SU			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	*****	*****		*****						
00720 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			TWICE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		WEEK	
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	*****	*****		*****						
00951 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		3.0			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	*****	*****		*****						
01002 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L			
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	*****	*****		*****						
01027 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		0.05			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker

Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF PERJURY THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

David R. Shoemaker

TELEPHONE

505 5867601

AREA CODE NUMBER

DATE

92 10 08

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

 ①
AD

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	09	01		92	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****		*****						
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L			
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE							DAILY MX	MG/L			
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****		*****						
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L			
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****		*****						
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	1.5			WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L			
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****		*****						
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	2.0				
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			WEEKLY	COMPOS
EFFLUENT GROSS VALUE							DAILY MX	MG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO FLOW FOR ENTIRE MONTH:			*****	*****	*****				
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTIN TOTAL	
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD				****		UOUS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

**David R. Shoemaker
Mine Manager**

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

 SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505586 7601

 AREA
CODE

NUMBER

92
10
08

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**
NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL
PROCESS WATER

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
OCT. 14 1992
CW/EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE		DATE	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		505 586 7601	92 10 08
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NH 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER
NM0022306

DISCHARGE NUMBER
002 A

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POND

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	09	01		92	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	6.7	10.0	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX		ONCE/	COMPOS
				****					MONTH	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(SU)	7.34	*****	7.54	0	1/WK	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0		ONCE/	GRAB
				****	MINIMUM		MAXIMUM		MONTH	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	20	30	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX		ONCE/	COMPOS
				****					MONTH	
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	.0014	.0018	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	DAILY AV	DAILY MX		ONCE/	COMPOS
				****					MONTH	
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.2	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0		ONCE/	COMPOS
				****			DAILY MX		MONTH	
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	LESS THAN 0.005	LESS THAN 0.005	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0		ONCE/	COMPOS
				****		DAILY AV	DAILY MX		MONTH	
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	LESS THAN 0.005	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05		ONCE/	COMPOS
				****			DAILY MX		MONTH	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager										
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				505	586 7601	92	10	08
						AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE TAILING POND
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00037/920401-1734

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) **00022306** (17-19) **002 A**
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILINGS REPOUNDMENT

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
92 09 01 92 09 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.02	LESS THAN 0.02	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L	ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	*****	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	MG/L	ONCE/ MONTH	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.1	LESS THAN 0.1	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.1 DAILY AV	0.6 DAILY MX	MG/L	ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	1.90	1.92	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L	ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	2.09	2.16	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L	ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	.024	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L	ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.379	0.397	(03) MGD	*****	*****	*****	()	0	DAILY ESTIMATE
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	DAILY ESTIMATE	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

David R. Shoemaker

TELEPHONE
505 586 7601
AREA CODE NUMBER
DATE
92 10 08
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00038/920401-1734

PAGE 2 OF 2

1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 PERMIT NUMBER
(17-19) SUM A DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004
SUM TOTAL FOR 0019 0021-94

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 92 MO 09 DAY 01 TO YEAR 92 MO 09 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***


NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS (54-61)	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE		6.74	7.16	(26)	*****	*****	*****	(lbs)	0	1/WK	COMPOS
	SAMPLE MEASUREMENT	25	50		*****	*****	*****	****			WEEKLY COMPOS
	PERMIT REQUIREMENT	DAILY AV	DAILY MAX	LBS/DY				****			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED

OCT 14 1992

6VV-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		505 586 7601		92	10	08
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **HOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469 QUESTA NM 87556**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
NM0022306 001 A
PERMIT NUMBER DISCHARGE NUMBER
MONITORING PERIOD
FROM YEAR 92 MO 08 DAY 01 TO YEAR 92 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

F - FINAL
PROCESS WATER
Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91
NO DISCHARGE FOR ENTIRE MONTH:
MAJOR
NOTE: Read instructions before completing this form.

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)	<div></div>	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		WEEKLY COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****				
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/COMPOS WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L		WEEKLY COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L		WEEKLY COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager						505 586 7601		92	09	10
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NO DISCHARGE FOR ENTIRE MONTH:

FACILITY LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
92	08	01		92	08	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLING TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX			WEEKLY COMPO
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX			WEEKLY COMPO
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX			WEEKLY COMPO
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX			WEEKLY COMPO
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX			WEEKLY COMPO
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX			WEEKLY COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE FOR ENTIRE MONTH			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN TOTAL UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586 7601

AREA CODE

NUMBER

92

09

10

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLYCORP INC. QUESTA DIV.**

 ADDRESS **P. O. BOX 469**
QUESTA
NH 07556

FACILITY

LOCATION

 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL
PROCESS WATER

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

MONITORING PERIOD

FROM

YEAR	MO	DAY
92	08	01

TO

YEAR	MO	DAY
92	08	31

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NO DISCHARGE FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED

SEP 15 1992

6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

 David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

 SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586 7601

 AREA
CODE

NUMBER

92

09

10

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556
FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 **002 A**
PERMIT NUMBER **DISCHARGE NUMBER**

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING DISPOSMENT

MONITORING PERIOD
FROM

YEAR	MO	DAY
92	08	01

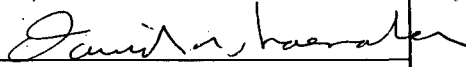
 TO

YEAR	MO	DAY
92	08	31

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	6.53	8.50	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/ COMPOS	
				****		DAILY AV	DAILY MX	MG/L		MONTH	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(SU)	7.45		7.50	(12)	0	1/WK GRAB	
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/ GRAB	
				****	MINIMUM		MAXIMUM	SU		MONTH	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	2.9	4.0	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/ COMPOS	
				****		DAILY AV	DAILY MX	MG/L		MONTH	
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	.0016	.0024	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/ COMPOS	
				****		DAILY AV	DAILY MX	MG/L		MONTH	
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****		2.14	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/ COMPOS	
				****			DAILY MX	MG/L		MONTH	
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.01	LESS THAN 0.01	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/ COMPOS	
				****		DAILY AV	DAILY MX	MG/L		MONTH	
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	LESS THAN 0.005	(19)	0	1/WK COMPOS	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/ COMPOS	
				****			DAILY MX	MG/L		MONTH	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager							505 5867601		92	09	10
TYPED OR PRINTED							AREA CODE NUMBER		YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00034/920401-1734

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

NM0022306
PERMIT NUMBER

002 A
DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILING POND

FACILITY
LOCATION

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	92	08	01		92	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	.017	.024	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			ONCE/ COMPOS
				****		DAILY AV	DAILY MX			MONTH
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	0.133	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY COMPOS
				****		DAILY MX				MG/L
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	less than 0.1	less than 0.1	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			ONCE/ COMPOS
				****		DAILY AV	DAILY MX			MONTH
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	1.96	1.99	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/ COMPOS
				****		DAILY AV	DAILY MX			MONTH
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	2.01	2.09	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/ COMPOS
				****		DAILY AV	DAILY MX			MONTH
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	*****	.018	(19)	0	1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			ONCE/ COMPOS
				****		DAILY MX				MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.380	0.389	(03) MGD	*****	*****	*****	()	0	DAILY ESTIMA
	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		DAILY ESTIMA
		DAILY AV	DAILY MX	MGD				****		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 586 7601
AREA CODE NUMBER
DATE
92 09 10
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEPT 8 1
EPA Form 3320-1 (REV. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00035/920401-1734

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include
Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)
NM0022306

PERMIT NUMBER

(17-19)
002 A

DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004

SEEPAGE TAILINGS IMPROVEMENT

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM YEAR 92 MO 08 DAY 01 TO YEAR 92 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	() MG/L	*****	LESS THAN 0.0002	LESS THAN 0.0002	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001	0.002			ONCE/	COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
SEP 15 1992
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE: 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505	586 7601	92	09
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP 2
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00036/920401-1734

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) SUM A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved.

F - FINAL OMB No. 2040-0004
SUM TOTAL FOR 001-94 Approval expires 0021-94

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 92 MO 08 DAY 01 TO YEAR 92 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE		6.79	6.78	(26)	*****	*****	*****	(lbs)	0	1/WK	COMPOS
	SAMPLE MEASUREMENT	25	50		*****	*****	*****	****			WEEKLY COMPOS
	PERMIT REQUIREMENT	DAILY AV	DAILY MAX	LBS/DY				****			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
SEP 15 1992
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586 7601	92	09	10
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

NAME **HOLICORP INC. QUESTA DIV.**
ADDRESS **P.O. BOX 469**
QUESTA NM 87556(2-16)
NM0022306

PERMIT NUMBER

(17-19)
DISCHARGE NUMBERFlow weighted
Composite 001+002FACILITY
LOCATIONATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM
YEAR MO DAY TO YEAR MO DAY
92 08 01 92 08 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPO
PH 00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	WEEKLY	GRND
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPO
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPO
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPO
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPO
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPO

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505 586-7601

AREA CODE

NUMBER

92

09

10

YEAR

MO

DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted

COMPOSITE 001+002

Form Approved.

OMB No. 2040-C004

Approval expires 6-30-91

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM

YEAR MO DAY
92 08 01

TO

YEAR MO DAY
92 08 31

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L	WEEKLY	COMPOSITE
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.6 DAILY MX		MG/L	WEEKLY	COMPOSITE
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L	WEEKLY	COMPOSITE
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L	WEEKLY	COMPOSITE
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.2 DAILY MX		MG/L	WEEKLY	COMPOSITE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	*** ****	CONTINUAL	TOTAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505
AREA
CODE586-7601
NUMBER92
YEAR09
MO10
DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **HOLICORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted
composite 001+002

OMB No. 2040-0043
Approval expires 6/93

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
92	08	01		92	08	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY COMP
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

RECEIVED
SEP 15 1992
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505
AREA
CODE

586-7601
NUMBER

92
YEAR

09
MO

10
DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL RECEIVED
PROCESS WATERNO FLOW FOR ENTIRE MONTH
OCT 8 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****								
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			WEEKLY	COMPOS		
PH	SAMPLE MEASUREMENT	*****	*****			*****							
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM			WEEKLY	GRAB		
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****								
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			WEEKLY	COMPOS		
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****								
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			TWICE/	COMPOS		
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****							
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			WEEKLY	COMPOS		
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****								
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			WEEKLY	COMPOS		
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****							
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			WEEKLY	COMPOS		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE					
David R. Shoemaker Mine Manager						505 586-7601		91 10 03					
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER			YEAR MO DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY _____
 LOCATION _____

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL
 PROCESS WATER

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

RECEIVED

OCT - 8 1991

6W

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L	WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L	WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L	WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L	WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L	WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTINUOUS	TOTALZ

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE	
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 AREA CODE	586-7601 NUMBER	91 YEAR
TYPED OR PRINTED					

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA NM 87556

FACILITY _____

LOCATION _____

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

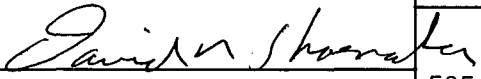
NO FLOW FOR ENTIRE MONTH

OCT - 8 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505 586-7601	91	10	03	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 **002 A**
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved
OMB No. 2040-0004

Approval expires 6-30-91.

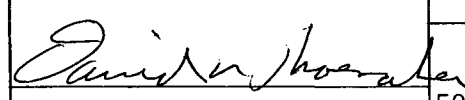
F - FINAL SEEPAGE TAILING IMPONEMENT

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR 91 MO 09 DAY 01 TO YEAR 91 MO 09 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	4.75	8.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/MONTH	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(SU)	7.4	*****	7.5	(12)	0	1/WK	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	0.93	1.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.3	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.01	less than 0.01	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/MONTH	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
David R. Shoemaker Mine Manager								505 586-7601		91 10 03	
TYPED OR PRINTED						AREA CODE NUMBER		YEAR MO DAY			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00831/910401-1759

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

002 A

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 91 MO 09 DAY 01 TO YEAR 91 MO 09 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

Form Approved
OMB No. 2040-0004

F - FINAL Approval expires 6-30-91.
SEEPAGE TAILINGS IMPOUNDMENT

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.03	less than 0.03	(19)	0	1/WK	COMPOS
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.16	(19)	0	1/WK	COMPOS
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****		DAILY MX	MG/L				
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****	(MG/D)	*****	less than 0.1	less than 0.1	(19)	0	1/WK	COMPOS
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****	(MG/D)	*****	1.71	1.88	(19)	0	1/WK	COMPOS
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****	(MG/D)	*****	1.89	1.94	(19)	0	1/WK	COMPOS
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.01	(19)	0	1/WK	COMPOS
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY MX	MG/L			MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.418	0.458	(MGD)	*****	*****	*****	(MGD)	0	1/WK	COMPOS
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		DAILY	ESTIM
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD						DAILY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

505 586-7601

AREA CODE NUMBER

TELEPHONE

DATE

91 10 03

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) **NM0022306** (17-19) **002 A**
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved
 OMB No. 2040-0004

RECEIVED

F - FINAL Approval expires 6-30-91.
 SEEPAGE TAILING IMPOUNDMENT

OCT - 8 1991

*** NO DISCHARGE ***

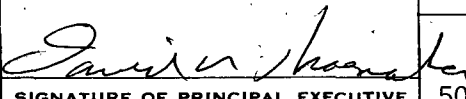
NOTE: Read instructions before completing this form.

FACILITY
 LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
 FROM YEAR 91 MO 09 DAY 01 TO YEAR 91 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(-19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
David R. Shoemaker Mine Manager			505 586-7601	91	10	03	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P.O. BOX 469**

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

SUM A

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR **91** MO **09** DAY **01**

(20-21) (22-23) (24-25)

TO YEAR **91** MO **09** DAY **30**

(26-27) (28-29) (30-31)

MAJOR

Form Approved
OMB No. 2040-0004

F - FINAL Approval expires 6-30-91.

SUM TOTAL **00199 002**

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.43	6.50	(26)	*****	*****	*****	(lbs/dy) 0		1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

505 586-7601

AREA
CODE

NUMBER

DATE

91 10 03

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

NO FLOW FOR ENTIRE MONTH

SEP 12 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)			UNITS	FREQ EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90	DAILY AV	DAILY MX	MG/L	WEEKLY COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	MINIMUM	MAXIMUM	SU	WEEKLY GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30	DAILY AV	DAILY MX	MG/L	WEEKLY COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05	DAILY AV	DAILY MX	MG/L	TWICE/COMPOS WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0	DAILY MX		MG/L	WEEKLY COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0	DAILY AV	DAILY MX	MG/L	WEEKLY COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05	DAILY MX		MG/L	WEEKLY COMPOS

1. Permit/CD
2. AO & AO mat
3. DMR's
4. Vio. Sum. Log
5. NCR
6. Correspondence
7. CRAS
8. Date Filed
9. Clerk's Inits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. SHOemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>David R. Shoemaker</i>	TELEPHONE		DATE		
			505	586-7601	91	09	09
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

RECEIVED
SEP 12 1991
 NO FLOW FOR ENTIRE MONTH
 MAJOR
 NOTE: Read instructions before completing this form.

FACILITY
 LOCATION
 ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD						
FROM			TO	YEAR		
YEAR	MO	DAY		YEAR	MO	DAY
91	08	01		91	08	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX		WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX		WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX		WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTINUAL	TOTALZ
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager						505 586-7601		91	09	09
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS

RECEIVED

NO FLOW FOR ENTIRE MONTH

SEP 12 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING			(4 Card Only) (38-45) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
 Mine Manager

 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE

505 586-7601
 AREA CODE NUMBER

DATE

91 09 09
 YEAR MO DAY

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR Form Approved.
OMB No. 2040-0004
F - P - Approval Expires 6-30-91.

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR 91 MO 08 DAY 01 TO YEAR 91 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

SEEPAGE TAILING IMPOUNDMENT

SEP 12 1991
*** NO DISCHARGE ***
NOTE Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			NO. EX	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	5.5	11.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/MONTH	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****	(SU)	7.0	*****	7.4	(12)	0	1/WK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.2	1.6	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.01	less than 0.01	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/MONTH	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
David R. Shoemaker Mine Manager								505 586-7601		91 09 09	
TYPED OR PRINTED						AREA CODE NUMBER		YEAR MO DAY			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556
FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 **002 A**
PERMIT NUMBER **DISCHARGE NUMBER**

MAJOR Form Approved.
OMB No. 2040-0004
F - FINANCIAL REVIEW EXPIRES 6-30-91.
SERPAGE TAILING IMPOUNDMENT

MONITORING PERIOD
YEAR MO DAY TO YEAR MO DAY
FROM 91 08 01 TO 91 08 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.03	less than 0.03	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.23	(19)	0	1/WK	COM
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.1	less than 0.1	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.74	2.1	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.94	2.08	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.02	(19)	0	1/WK	COM
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.408	0.429	(-03)	*****	*****	*****	(MGD)	0	DAILY	ESTIM
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIMA
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE			
David R. Shoemaker Mine Manager						505 586-7601		91 09 09			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		YEAR MO DAY			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556
FACILITY _____
LOCATION _____

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR RECEIVED
FORM Approved
OMB No. 2040-0004
F - FINAL Approval expires 6-30-91
SEEPAGE SEPT 12 1991
IMPOUNDMENT

MONITORING PERIOD
FROM YEAR 91 MO 08 DAY 01 TO YEAR 91 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	09
TYPED OR PRINTED		AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 SUM A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR Form Approved.

DMR No. 2840-0004
F - FINAL Approval Expires 6-30-91.
SUM TOTAL FOR 001 & 002

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR 91 MO 08 DAY 01 TO YEAR 91 MO 08 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

SEP 12 1991
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.61	7.01	(26)	*****	*****	*****	(lb/d)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 AREA CODE	586-7601 NUMBER	91 YEAR	09 MO

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA NM 87556

FACILITY

LOCATION

ATTN: DAVID R. SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD
YEAR 91 MO 07 DAY 01 TO YEAR 91 MO 07 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR DISCHARGE NUMBER
002 A
DISCHARGE NUMBER

Form Approved
EPA No. 2040-0004
F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

AUG - 9 1991
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (58-65)			FREQUENCY OF ANALYSIS (62-63)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	3.4	6.0	(19)	0 1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90		ONCE/ COMPOS
PH	SAMPLE MEASUREMENT	*****	*****	(SU)	7.3	*****	7.5	(12)	0 1/WK GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0		ONCE/ GRAB
				****	MINIMUM		MAXIMUM		MONTH
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.12	1.6	(19)	0 1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30		ONCE/ COMPOS
				****		DAILY AV	DAILY MX		MONTH
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0 1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05		ONCE/ COMPOS
				****		DAILY AV	DAILY MX		MONTH
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.4	(19)	0 1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0		ONCE/ COMPOS
				****			DAILY MX		MONTH
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.01	less than 0.01	(19)	0 1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0		ONCE/ COMPOS
				****		DAILY AV	DAILY MX		MONTH
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0 1/WK COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05		ONCE/ COMPOS
				****			DAILY MX		MONTH

Permit/CD
2 - AO & AO-mail
3 - DMR's
4 - Vio. Sam. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>David R. Shoemaker</i>	505 AREA CODE	586-7601 NUMBER	91 YEAR	08 MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 91 MO 07 DAY 01 TO YEAR 91 MO 07 DAY 31

MAJOR Form Approved

OMB No 2040-0004

F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

AUG - 9 1991

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.03	less than 0.03	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			ONCE/MONTH	COMPOS		
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.15	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY	COMPOS		
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.1	less than 0.1	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			ONCE/MONTH	COMPOS		
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.55	1.67	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX			ONCE/MONTH	COMPOS		
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.98	2.08	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX			ONCE/MONTH	COMPOS		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.01	(19)	0	1/WK	COMPOS		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			ONCE/MONTH	COMPOS		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.403	0.411	(MGD)	*****	*****	*****	(MGD)	0	DAILY	ESTIM		
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIM		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

David R. Shoemaker

TELEPHONE

505 586-7601

AREA CODE NUMBER

DATE

91 08 07

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00826/910401-1759

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR **91** MO **07** DAY **01** TO YEAR **91** MO **07** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

Form Approved

OMB No. 2040-0004

F - FINAL Approval expires 6/30/91.

SEEPAGE TAILING IMPOUNDMENT

AUG - 9 1991

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(19)	0	1/WK	COMPOS
71900 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.001	0.002			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MAX	MG/L		MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	08	07
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SPSP #1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00827/910401-1759

PAGE 3 OF

3

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 SUM A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved.
OMB No. 2040-0004.

F - FINAL Approval expires 6-30-91.
SUM TOTAL FOR 001 6 502

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 91 MO 07 DAY 01 TO YEAR 91 MO 07 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE 9.799 ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53)			6W/ UNITS	NO. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.48	7.08	(25)	*****	*****	*****	(1b/dy)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE			
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505	586-7601	91	08	07
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
PH	PERMIT REQUIREMENT	*****	*****	****	*****	60	90		WEEKLY	COMPOS
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM		WEEKLY	GRAB
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	20	30		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	DAILY AV	DAILY MX	MG/L		
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05		TWICE/	COMPOS
	SAMPLE MEASUREMENT	*****	*****		*****	DAILY AV	DAILY MX	MG/L	WEEK	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0		WEEKLY	COMPOS
	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0		WEEKLY	COMPOS
	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

505 586-7601

AREA CODE NUMBER

DATE

91 07 11

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
91	06	01		91	06	30

(20-21) (22-23) (24-25)

(26-27) (28-29) (30-31)

RECEIVED

F FINAL
PROCESS WATER

JUL 16 1991

NO FLOW FOR ENTIRE MONTH

MAJOR

6W-EA

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L	WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX	MG/L	WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L	WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L	WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX	MG/L	WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT				*****	*****	*****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTINUAL	TOTALZ HOURS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker, Mene Manager						505 586-7601		91 07 11		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name & Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

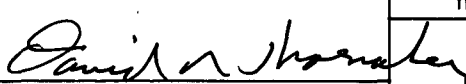
F - FINAL RECEIVED
PROCESS WATER

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505 586-7601	91	07	11	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 **002 A**
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR **Form Approved**
OMB No. 2040-0004
 F - FINAL Approval expires 6-30-91.
 SEE PAGE TAILING IMPOUNDMENT

FACILITY
 LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD
 FROM YEAR **91** MO **06** DAY **01** TO YEAR **91** MO **06** DAY **30**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** **NO DISCHARGE** ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	5.75	9.00	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	50	90			ONCE/MONTH	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****	(SU)		*****	7.5	(12)	0	1/WK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM			ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.00	1.00	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.2	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.01	less than 0.01	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
 Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE

505 586-7601

AREA CODE NUMBER

DATE

91 07 11

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME HOLYCORN INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR RECEIVED
Form Approved
OMB No. 2040-0004
F - FINAL Approval expires 6-30-91.
SEE PAGE TAILING BOUNDMENT

FACILITY
LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	91	06	01		91	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	LESS THAN 0.03	LESS THAN 0.03	(19)	0	1/WK COMPOS	
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			ONCE/ COMPOS	
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.14	(19)	0	1/WK COMP	
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY COMPOS	
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.1	less than 0.1	(19)	0	1/WK COMPOS	
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			ONCE/ COMPOS	
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.64	1.70	(19)	0	1/WK COMPOS	
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/ COMPOS	
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	2.01	2.14	(19)	0	1/WK COMPOS	
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/ COMPOS	
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.02	(19)	0	1/WK COMPOS	
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			ONCE/ COMPOS	
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L		MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.406	0.424	(03)	*****	*****	*****	(MGD)	0	Daily ESTIM	
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		DAILY ESTIMA	
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE, FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager											
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					505 AREA CODE	586-7601 NUMBER	91 YEAR	07 MO	11 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SPP # 1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00823/910401-1759

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) 002 A
PERMIT NUMBER DISCHARGE NUMBER

MAJOR Form Approved.
OMB No. 2040-0004.

F - FINE Approval expires 6-30-91.
SEEPAGE TAILING POUNDMENT

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR 91 MO 06 DAY 01 TO YEAR 91 MO 06 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			NO. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(- 19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	07
TYPED OR PRINTED		AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 PERMIT NUMBER
(17-19) SUM A DISCHARGE NUMBER

MAJOR Form Approved
OMB No. 2040-0004
F - Final Approval Expires 6-30-91.

FACILITY
LOCATION

MONITORING PERIOD
FROM YEAR 91 MO 06 DAY 01 TO YEAR 91 MO 06 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

SUM TOTAL FOR 001 & 002
6 1991
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM				
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.49	7.64	(26)	*****	*****	*****	(lb/dy)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	07	11
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

NO FLOW FOR ENTIRE MONTH

JUN 15 1991

MAJOR

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/ WEEK	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

1. Permit/CD
2. AO & AQ Unit
3. DMR's
4. via Supt. Log.
5. NCR
6. Correspondence
7. CRAS
Date Filed
Clerk's init.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

David R. Shoemaker

TELEPHONE

505 586-7601

AREA CODE NUMBER

DATE

91 06 10

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **HOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

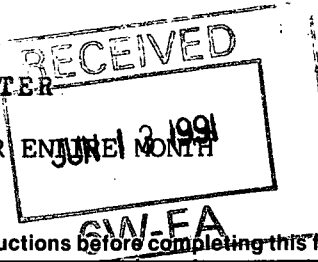
DISCHARGE NUMBER

F - FINAL
PROCESS WATER

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.



PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L	WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX	MG/L	WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L	WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L	WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX	MG/L	WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTIN	TOTALZ UOUS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager						505 586-7601		91 06 10		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		YEAR MO DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.ADDRESS P. O. BOX 469QUESTA NM 87556

FACILITY _____

LOCATION _____

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED


NO FLOW FOR ENTIRE MONTH

JUN 13 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. OF EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
David R. Shoemaker Mine Manager			505 586-7601	91	06	10
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)
NM0022306 **002 A**
PERMIT NUMBER DISCHARGE NUMBER

MAJOR Form Approved
OMB No. 2040-0004.
F - FINAL Approval expires 6-30-91.
SEEPAGE TAILING IMPOUNDMENT

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
91 05 01 91 05 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	3.60	5.00	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			ONCE/	COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(SU)	7.3	*****	7.3	(12)	0	1/WK	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/	GRAB
				****	MINIMUM		MAXIMUM	SU		MONTH	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	2.86	5.8	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			ONCE/	COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH	
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025	0.05			ONCE/	COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH	
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			ONCE/	COMPOS
				****			DAILY MX	MG/L		MONTH	
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.01	less than 0.01	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			ONCE/	COMPOS
				****		DAILY AV	DAILY MX	MG/L		MONTH	
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			ONCE/	COMPOS
				****			DAILY MX	MG/L		MONTH	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
David R. Shoemaker Mine Manager							505 586-7601		91	06	10
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

2

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

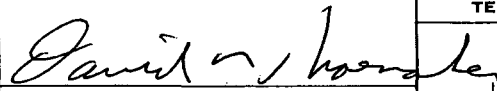
(2-16) NM0022306	(17-19) 002 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	91	05	01		91	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
Form Approved.
OMB No. 2040-0004.
F - FINAL
SEEPAGE TAILING IMPOUNDMENT

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(-19)	0	1/WK	COMPOS
71900 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
David R. Shoemaker Mine Manager			505 586-7601	91	06	10	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV.

ADDRESS E. Q. BOX 469

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)
NM0022306

PERMIT NUMBER

(17-19)
SUM A

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 91 MO 05 DAY 01 TO YEAR 91 MO 05 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

Form Approved
OMB No. 2040-0004

F - FINAL Approval expires 6-30-91
SUM TOTAL JUN 30 1991 8 002

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.49	7.38	(26)	*****	*****	*****	(lb/d)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	06	10
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

Facility Name/Location (if different)
NAME **MOLICORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
NR0022306
PERMIT NUMBER
DISCHARGE NUMBER

Form Approved. OMB No. 2040-0004
Approval expires 6-30-91
Flow weighted Composite 001+002
AUG - 9 1991
MAJOR
NOTE: Read instructions before completing this form.

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD
FROM YEAR **91** MO **07** DAY **01** TO YEAR **91** MO **07** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)		*****	*****		*****					
00340 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPOS
EFFLUENT GROSS VALUE										
PH		*****	*****		*****					
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	WEEKLY	GRAB
EFFLUENT GROSS VALUE										
SOLIDS, TOTAL SUSPENDED		*****	*****		*****					
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPOS
EFFLUENT GROSS VALUE										
CYANIDE, TOTAL (AS CN)		*****	*****		*****					
00720 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPOS
EFFLUENT GROSS VALUE									WEEK	
FLUORIDE, TOTAL (AS F)		*****	*****		*****					
00951 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPOS
EFFLUENT GROSS VALUE										
ARSENIC, TOTAL (AS AS)		*****	*****		*****					
01002 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPOS
EFFLUENT GROSS VALUE										
CADMIUM, TOTAL (AS CD)		*****	*****		*****					
01027 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPOS
EFFLUENT GROSS VALUE										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker						505 586-7601		91	08	07
Mine Manager										
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556
FACILITY _____
LOCATION _____
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) **NM0022306**
PERMIT NUMBER
(17-19) _____
DISCHARGE NUMBER
MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
91 07 01 91 07 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved.
OMB No. 2040-C004
Approval expires 6-30-91
Flow weighted
COMPOSITE 001+002
RECEIVED
AUG - 9 1991
MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX	MG/L		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN	TOTALZ UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505 586-7601		91	08	07
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **WOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	91	07	01		91	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Flow weighted composite 001+002

MAJOR

NOTE: Read instructions before completing this form

AUG - 9 1991

PARAMETER (32-37)	<div></div>	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS						
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**** ****	*****			MG/L						
	PERMIT REQUIREMENT	*****	*****		*****	0.001 DAILY AV	0.002 DAILY MX		WEEKLY					
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
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	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505
AREA CODE

586-7601
NUMBER

91
YEAR

08
MO

07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **HOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY
 LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

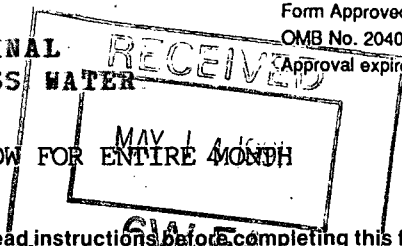
FINAL PROCESS WATER

Form Approved.
 OMB No. 2040-0004
 Approval expires 6-30-91

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.



PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3-Card Only) QUANTITY OR LOADING (46-53)			(4-Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPOS
PH		*****	*****		*****	6.0 MINIMUM	9.0 MAXIMUM	SU	WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPOS WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPOS

1. Permit/CD
 2. AO & AO mail
 3. DMR's
 4. Vic Sum. Log
 5. NCR
 6. Correspondence
 7. CRAS
 Date Filed
 Clerk's Sign

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David R. Shoemaker Mine Manager	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91 05 09		
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

NO FLOW FOR ENTIRE MONTH

MAY 14 1991

MAJOR

NOTE: Read instructions before completing this form.

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

PARAMETER (32-37)	<div></div>	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	*****	0.2 DAILY MX	MG/L		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	*** ****		CONTIN	TOTALZ UOOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		505	586-7601	91	05	09
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLICORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL
PROCESS WATER

RECEIVED
 Form Approved. OMB No. 2040-0004
 Approval expires 6-30-91
MAY 14 1991
6W-EA

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

FACILITY
 LOCATION
 ATTN: **DAVID R SHOENAKER, GEN. SUPT.**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	91	04	01		91	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3-Card Only) QUANTITY OR LOADING (46-53)			(4-Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX			WEEKLY COMPOS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker Mine Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		505 586-7601		91	05	09
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No. 2040-0004

Approval Expires **6-30-91**

F - FINAL
SEEPAGE TAILING IMPOUNDMENT

***** NO DISCHARGE *****

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	6.75	8.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(SU)	7.3	*****	7.5	(12)	0	1/WK	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	2.58	3.9	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	2.0	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	LESS THAN 0.01	LESS THAN 0.01	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.02	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE			
David R. Shoemaker Mine Manager						505 586-7601		91 05 09			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		YEAR MO DAY			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00111/910426-0839

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No. 2040-0004.

F - FINAL Approval expires 08-30-91.

SEEPAGE TAILING IMPOUNDMENT

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD											
FROM						TO					
YEAR	MO	DAY	YEAR	MO	DAY	YEAR	MO	DAY	YEAR	MO	DAY
91	04	01	91	04	30						
(20-21)			(22-23)			(24-25)			(26-27)		

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	LESS THAN 0.03	LESS THAN 0.03	(19)	0	1/WK	COMPOS
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	less than 0.1	(19)	0	1/WK	COMPOS
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6			WEEKLY	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L			
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.1	less than 0.1	(19)	0	1/WK	COMPOS
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.51	1.64	(19)	0	1/WK	COMPOS
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	2.0	2.22	(19)	0	1/WK	COMPOS
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV	DAILY MX	MG/L		MONTH	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	*****	0.01	(19)	0	1/WK	COMPOS
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****			DAILY MX	MG/L		MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.422	0.428	(03)	*****	*****	*****	(MGD)	0	Daily	ESTIM
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		DAILY	ESTIMA
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD				****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

505 586-7601

AREA CODE NUMBER

DATE

91 05 09

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00112/910426-0839

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

MAJOR

Form Approved

OMB No. 2040-0004.

F - FINAL Approval expires 6-30-91.

SEEPAGE TAILING IMPOUNDMENT

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD

FROM YEAR **91** MO **04** DAY **01** TO YEAR **91** MO **04** DAY **30**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53)			(4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(19)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 586-7601	91	05	09
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00113/910426-0839

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV.
ADDRESS P. O. BOX 469
QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) NM0022306 (17-19) SUM A
PERMIT NUMBER DISCHARGE NUMBER

RECEIVED
MAJOR Form Approved
OMB No. 2040-0004
F FINAL Approval expires 6-30-91.
SUM TOTAL FOR 001 & 002

FACILITY
LOCATION
ATTN: DAVID R SHOEMAKER, GEN. SUPT.

MONITORING PERIOD
FROM YEAR 91 MO 04 DAY 01 TO YEAR 91 MO 04 DAY 30
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	6.57	7.81	(26)	*****	*****	*****	(lb/d)	0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
David R. Shoemaker Mine Manager		505 586-7601		91	05	09
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
MOLYBDENUM - AVG 6 MONTHS PRECEEDING.
MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME MOLYCORP INC. QUESTA DIV. *Dad*

ADDRESS P.O. BOX 469

QUESTA NM 87556

FACILITY _____

LOCATION _____

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001-A

DISCHARGE NUMBER

F - FINAL
PROCESS WATER

RECEIVED

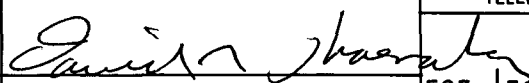
APR 12 1991

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form:

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****					
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/ WEEK	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L		WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
TYPED OR PRINTED			505	586-7601	91	04	09

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL
PROCESS WATER

RECEIVED

NO FLOW FOR ENTIRE MONTH

APR 12 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****		*****					
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.15	0.30		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****					
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		0.6		WEEKLY	COMPOS
EFFLUENT GROSS VALUE							DAILY MX	MG/L		
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	*****	*****		*****					
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.3	0.6		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	*****		*****					
01055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	1.5		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	*****		*****					
01062 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	1.0	2.0			
EFFLUENT GROSS VALUE						DAILY AV	DAILY MX	MG/L		
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****					
01092 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		0.2		WEEKLY	COMPOS
EFFLUENT GROSS VALUE							DAILY MX	MG/L		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT				*****	*****	*****			
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****	CONTIN	TOTALZ
EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD					UOUS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
David R. Shoemaker Mine Manager						505 586-7601		91	04	09
TYPED OR PRINTED						AREA CODE		NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS WATER

RECEIVED

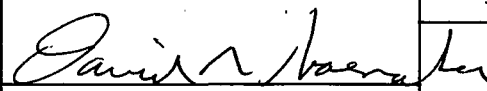
NO FLOW FOR ENTIRE MONTH

APR 12 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				6W EX	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505 586-7601	91	04	09	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P.O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

F - FINAL

SEEPAGE TAILING POUNDMENT

APR 12 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. EX- (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	3.6	4.3		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7.3		7.4		0	1/WK	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM		9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			2.38	2.9		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****		20 DAILY AV	30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			0.001 less than	less than 0.001		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****		0.025 DAILY AV	0.05 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****				2.1		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****			3.0 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			less than 0.01	less than 0.01		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****		0.5 DAILY AV	1.0 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****				less than 0.02		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****			0.05 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE			
David R. Shoemaker Mine Manager						505 586-7601		91 04 09			
TYPED OR PRINTED						AREA CODE		NUMBER		YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE TAILING POUNDMENT
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00423/910215-0931

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.** *Dad*ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

F - FINAL

SEEPAGE TAILING IMPOUNDMENT

RECEIVED**APR 12 1991**

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than 0.03	less than 0.03		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	less than 0.1		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than 0.1	less than 0.1		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.36	1.39		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.76 1.56	1.92		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.01		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.359	0.427		*****	*****	*****		0	DAILY	EST.
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505	586-7601	91	04	09
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00424/910215-0931

PAGE

OF

2

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

F - FINAL RECEIVED
SEEPAGE TAILING IMPOUNDMENT

APR 12 1991

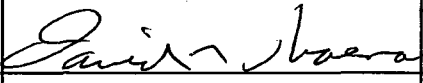
MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
91	03	01	91	03	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.08005	0.0002		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX MG/L			ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505	586-7601	91	04	09
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

00425/910215-0931

PAGE

OF

3

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

SUM A

DISCHARGE NUMBER

F - FINAL

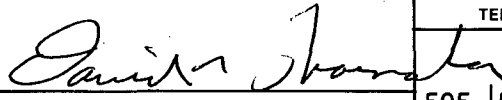
SUM TOTAL FOR 001-8-002

APR 12 1991

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. EX- (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0	SAMPLE MEASUREMENT	6.72	6.47		*****	*****	*****		0	1/WK	COMPOS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker Mine Manager			505	586-7601	91	04	09
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.

MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

F - FINAL

PROCESS ENTER

RECEIVED

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

MONITORING PERIOD

FROM YEAR **91** MO **02** DAY **01** TO YEAR **91** MO **02** DAY **28**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NO FLOW FOR ENTIRE MONTH

MAJOR MAR 14 1991

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3-Card Only) QUANTITY OR LOADING (46-53)			(4-Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****					
PH		*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****		6.0 MINIMUM	*****	9.0 MAXIMUM	SO		WEEKLY GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	20 DAILY AV	30 DAILY MX	MG/L		WEEKLY COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		TWICE/COMPOS WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	*****	3.0 DAILY MX	MG/L		WEEKLY COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	0.5 DAILY AV	1.0 DAILY MX	MG/L		WEEKLY COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	*****	0.05 DAILY MX	MG/L		WEEKLY COMPOS

Permit/CD
2. AO & AO max
3. DMR's
4. Vio. Sample Log
5. NCR
6. Correspondence
CRAS
Date Filed
Clerk's Inits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE
David R. Shoemaker Mine Manager	<i>David R. Shoemaker</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 AREA CODE	91 03 11 YEAR MO DAY
TYPED OR PRINTED		586-7601 NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**P - FINAL
PROCESS WATER**

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM

YEAR **91** MO **02** DAY **01**

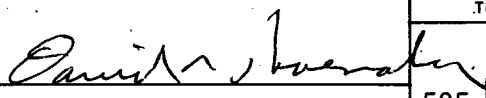
TO

YEAR **91** MO **02** DAY **28**

RECEIVED
NO. 100 FOR ENTIRE MONTH
MAR 14 1991

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX			WEEKLY COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.6 DAILY MX			WEEKLY COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX			WEEKLY COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX			WEEKLY COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX			WEEKLY COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****		0.2 DAILY MX			WEEKLY COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINTOTALZ UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
David R. Shoemaker Mine Manager			505 AREA CODE	586-7601 NUMBER	91 YEAR	03 MO
TYPED OR PRINTED						

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA

NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**FINAL
PROCESS WATER**

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM

YEAR

91

MO

02

DAY

01

TO

YEAR

91

MO

02

DAY

28

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NO FLOW FOR ENTIRE MONTH

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAR 14 1991
6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 AREA CODE	586-7601 NUMBER	91 YEAR	03 MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME HOLYCORP INC. QUESTA DIV.

ADDRESS P. O. BOX 469

QUESTA NM 87558

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

F - FINAL

SEEPAGE REPORT

RECEIVED

MAR 14 1991

FACILITY

LOCATION

ATTN: DAVID R SHOEMAKER, GEN. SUPT.

FROM

YEAR MO DAY
91 02 01

TO

YEAR MO DAY
91 02 28

(20-21) (22-23) (24-25)

(26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	2.6	4.1	0	1/WK	COMPOS
PH	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	0	ONCE/MONTH	COMPOS
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7.2	*****	7.5	0	1/WK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	0	ONCE/MONTH	GRAB
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	2.8	4.8	0	1/WK	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	0	ONCE/MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	less than 0.001	less than 0.001	0	1/WK	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2.2	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	less than 0.01	less than 0.01	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	less than 0.02	0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	0	ONCE/MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager						
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 AREA CODE	586-7601 NUMBER	91 YEAR	03 MO	11 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

01401/900413-2027

PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

F - FINAL

SEE PAGE

RECEIVED

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM

YEAR **91** MO **02** DAY **01**

TO

YEAR **91** MO **02** DAY **28**

(20-21) (22-23) (24-25)

(26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

MAR 14 1991

6W-EA

PARAMETER (32-37)		(3-Card Only) QUANTITY OR LOADING (46-53)			(4-Card Only) QUALITY OR CONCENTRATION (38-45)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than 0.03	less than 0.03				0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L				ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****		0.12				0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6	MG/L				WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than 0.10	less than 0.10				0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L				ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.5	1.6				0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L				ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.88	2.04				0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L				ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	less than 0.01				0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2	MG/L				ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.365	0.410		*****	*****	*****				0	DAILY	EST.
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****				DAILY	ESTINA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

David R. Shoemaker

Mine Manager

TYPED OR PRINTED

David R. Shoemaker

505 586-7601

AREA CODE NUMBER

91 03 11

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEPP 4-1

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

01402/900413-2027

PAGE 2 OF

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

F - FINAL

SEEPAGE

RECEIVED

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

MONITORING PERIOD

FROM YEAR **91** MO **02** DAY **01** TO YEAR **91** MO **02** DAY **28**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR **MAR 14 1991**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT (46-53)	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			UNITS (62-63)	NO. EX (64-68)	FREQUENCY OF ANALYSIS (69-70)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than 0.0002	less than 0.0002		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker

Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

505 586-7601

AREA CODE NUMBER

DATE

91 03 11

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

01403/900413-2027

PAGE 3 OF

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

SUM A

DISCHARGE NUMBER

F - FINAL

SUM TOTAL FOR 001 & 002

RECEIVED

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

FROM

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
91	02	01		91	02	28
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

MAR 14 1991

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	7.22	6.87		*****	*****	*****		0	1/WK	COMPOS
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE			
David R. Shoemaker							
Mine Manager							
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	505 AREA CODE	586-7601 NUMBER	91 YEAR	03 MO	11 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.**MOLYBDENUM - MAX CURRENT MONTH ONLY.**

PERMITTEE NAME/ADDRESS (Include)

Facility Name/Location if different)

NAME **MOLICORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted
Composite 001+002

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM

YEAR MO DAY
91 02 01

(20-21) (22-23) (24-25)

TO

YEAR MO DAY
91 02 28

(26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60 DAILY AV	90 DAILY MX	MG/L	WEEKLY	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****			*****				
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/L	WEEKLY	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	TWICE/	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0 DAILY MX	MG/L	WEEKLY	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX	MG/L	WEEKLY	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05 DAILY MX	MG/L	WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

505 586-7601

AREA
CODE

NUMBER

DATE

91 03 11

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Flow weighted

COMPOSITE 001+002

Form Approved.

OMB No. 2040-C004

Approval expires 6-30-91

MONITORING PERIOD							
FROM	YEAR	MO.	DAY	TO	YEAR	MO.	DAY
	91	02	01		91	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS (62-63)	NO. EX (64-65)	FREQUENCY OF ANALYSIS (66-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		WEEKLY	COMPO
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****		0.6 DAILY MX	MG/L		WEEKLY	COMPO
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY	COMPO
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY	COMPO
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	***	*****		0.2 DAILY MX	MG/L		WEEKLY	COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	***		CONTIN	TOTAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505
AREA
CODE

586-7601
NUMBER

91
YEAR

03
MO

11
DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA****NM 87556**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved.

OMB No. 2040 0004

Approval expires 6/30

Flow weighted
composite

001+002

RECEIVED

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

MONITORING PERIOD

FROM
YEAR MO DAY TO YEAR MO DAY
91 02 01 91 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		WEEKLY COMP
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

RECEIVED
MAR 14 1991
GW-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
David R. Shoemaker			505	586-7601	91	03	11
Mine Manager			AREA CODE	NUMBER	YEAR	MO	
TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.** Dad
ADDRESS **P. O. BOX 469**
QUESTA NM **87556**

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
NM0022306
PERMIT NUMBER
TX1 A
DISCHARGE NUMBER
MONITORING PERIOD
FROM YEAR 91 MO 01 DAY 01 TO YEAR 91 MO 03 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

F - FINAL
TOXICITY REPORTING
RECEIVED
APR 12 1991
MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
LF P/F STATRE 7DAY C	SAMPLE MEASUREMENT	*****	*****		*****	0	*****	0		
HR CERIODAPHNIA	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	*****	PASS=0	QTRLY	COMP24
TEP3B 1 0 0				****		DAILY AV		FAIL=1		
EFFLUENT GROSS VALUE										
LF P/F STATRE 7DAY	SAMPLE MEASUREMENT	*****	*****		*****	0	*****	0		
CHR PIMEPHALES	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	*****	PASS=0	QTRLY	COMP24
TEP6C 1 0 0				****		DAILY AV		FAIL=1		
EFFLUENT GROSS VALUE										
HLF P/F STATRE 7DAY	SAMPLE MEASUREMENT	*****	*****		*****	0	*****	0		
CHR CERIODAPHNIA	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	*****	PASS=0	QTRLY	COMP24
TFP3B 1 0 0				****		DAILY AV		FAIL=1		
EFFLUENT GROSS VALUE										
HLF P/F STATRE 7DAY	SAMPLE MEASUREMENT	*****	*****		*****	0	*****	0		
CHR PIMEPHALES	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	*****	PASS=0	QTRLY	COMP24
TFP6C 1 0 0				****		DAILY AV		FAIL=1		
EFFLUENT GROSS VALUE										
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

1 - Permit CD
2 - AO & AO matl
3 - DMP's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager			505 586-7601	91	04	08
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
(PASS = 0 FAIL = 1) REPORT PASS AS '0' REPORT FAIL AS '1' IN CONCENTRATION AVG ABOVE.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

**F - FINAL
PROCESS WATER**

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

MONITORING PERIOD

FROM YEAR **91** MO **01** DAY **01** TO YEAR **91** MO **01** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NO FLOW FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (46-53)			NO. OF ANALYSIS (62-68)	FREQUENCY OF ANALYSIS (69-70)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY AV		WEEKLY	COMPOS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

1 - Permit/CD

2 - AO & AO matl

3 - DMR's

4 - Vio. Sum. Log

5 - NCR

6 - Correspondence

7 - CRAS

Date Filed

Clerk's Inits.

RECEIVED

FEB 7 1991

6W-EA

RECEIVED

FEB 7 1991

6W-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			AREA CODE	NUMBER	YEAR	MO	DAY
David R. Shoemaker Mine Manager		<i>David R. Shoemaker</i>	505	586- 7601	91	02	04
TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**
 ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY
 LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

NM0022306
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL
PROCESS WATER

Form Approved.
 OMB No. 2040-0004
 Approval expires 6-30-91

RECEIVED
JAN-6-1991

NO FLOW FOR ENTIRE MONTH:

HAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3-Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4-Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			RECEIVED NO. EX. ID	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX			WEEKLY COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		WEEKLY COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		WEEKLY COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		WEEKLY COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO FLOW FOR ENTIRE MONTH:			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN TOTALZ UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
David R. Shoemaker Mine Manager			505 586-7601	91	02	04
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

NM0022306

PERMIT NUMBER

001 A

DISCHARGE NUMBER

FINAL
PROCESS WATER

Form Approved

OMB No. 2040-0004

Approval expires 6-30-91

JAN 6 1991

CV-1A

MONITORING PERIOD

FROM YEAR **91** MO **01** DAY **01** TO YEAR **91** MO **01** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NO FLOW FOR ENTIRE MONTH:

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	60	90			WEEKLY COMPOS
PH	SAMPLE MEASUREMENT	*****	*****							
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM			WEEKLY GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	20	30			WEEKLY COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.025				TWICE/COMPOS WEEK
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0			WEEKLY COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			WEEKLY COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.05			WEEKLY COMPOS

RECEIVED
- 7 1991
CV-1A

RECEIVED
0.5
DATE 7 1991
CV-1A

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE	
		505	586-7601	91	02
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

P - FINAL

SEEPAGE TAILING IMPOUNDMENT

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

MONITORING PERIOD

FROM YEAR **91** MO **01** DAY **01** TO YEAR **91** MO **01** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3-Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4-Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	2.6	4.2	0	1/WK	COMPOS
		*****	*****	****	*****	60 DAILY AV	90 DAILY MX		ONCE/ MONTH	COMPOS
PH 00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****		7.3		7.5	0	1/WK	GRAB
		*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	2.2	3.7	0	1/WK	COMPOS
		*****	*****	****	*****	20 DAILY AV	30 DAILY MX		ONCE/ MONTH	COMPOS
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	less than .001	less than .001	0	1/WK	COMPOS
		*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX		ONCE/ MONTH	COMPOS
FLUORIDE, TOTAL (AS F) 00951 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****		2.3	0	1/WK	COMPOS
		*****	*****	****	*****	*****	3.0 DAILY MX		ONCE/ MONTH	COMPOS
ARSENIC, TOTAL (AS AS) 01002 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	less than .01	less than .01	0	1/WK	COMPOS
		*****	*****	****	*****	0.5 DAILY AV	1.0 DAILY MX		ONCE/ MONTH	COMPOS
CADMIUM, TOTAL (AS CD) 01027 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****		.025	0	1/WK	COMPOS
		*****	*****	****	*****	*****	0.05 DAILY MX		ONCE/ MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David R. Shoemaker
Mine Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT: SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

David R. Shoemaker

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

505 586 7601

AREA CODE NUMBER

DATE

91 02 04

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEPAGE
EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

01398/900413-2027

PAGE 1 OF 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME **MOLYCORP INC. QUESTA DIV.**
ADDRESS **P. O. BOX 469**
QUESTA NM 87556

FACILITY
LOCATION
ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

NM0022306
PERMIT NUMBER

002 A
DISCHARGE NUMBER

F - FINAL
SEEPAGE TAILING IMPOUNDMENT

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

MONITORING PERIOD
FROM YEAR **91** MO **01** DAY **01** TO YEAR **91** MO **01** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than .03	.03		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	.21		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.6 DAILY MX	MG/L		WEEKLY	COMPOS
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than 0.10	less than 0.10		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MANGANESE, TOTAL (AS MN) 01055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.93	2.14		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	1.5 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	2.04	2.21		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	1.0 DAILY AV	2.0 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	less than 0.01		0	1/WK	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	.399	.440		*****	*****	*****			DAILY	EST.
	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	*****	*****	*****	*****		DAILY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David R. Shoemaker Mine Manager			505	586 7601	91 02 04
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**

ADDRESS **P. O. BOX 469**

QUESTA NM 87556

FACILITY

LOCATION

ATTN: **DAVID R SHOENAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NH0022306

PERMIT NUMBER

002 A

DISCHARGE NUMBER

F - FINAL

SEEPAGE TAILING IMPOUNDMENT

Form Approved.

OMB No. 2040-0004

Approval expires 6-30-91

MONITORING PERIOD

FROM YEAR **91** MO **01** DAY **01** TO YEAR **91** MO **01** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3-Card Only) QUANTITY OR LOADING (46-53)			(4-Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
MERCURY, TOTAL (AS HG) 71900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	less than .0002	less than .0002		0	1/WK
	PERMIT REQUIREMENT	*****	*****	****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L		ONCE/ MONTH
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

RECEIVED

FEB - 7 1991

LOW-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

**David R. Shoemaker
Mine Manager**

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

505

586 7601

AREA CODE

NUMBER

91

02

04

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

DISCHARGE FROM SEEP # 1.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

01400/900413-2027

PAGE

3 OF

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME **MOLYCORP INC. QUESTA DIV.**ADDRESS **P. O. BOX 469****QUESTA NM 87556**

FACILITY

LOCATION

ATTN: **DAVID R SHOEMAKER, GEN. SUPT.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NM0022306

PERMIT NUMBER

SUM A

DISCHARGE NUMBER

F - FINAL

SUM TOTAL FOR 001 & 002

MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
91	01	01	91	01	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MOLYBDENUM, TOTAL (AS MO) 01062 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	7.70	7.25		*****	*****	*****				
	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED

FEB - 7 1991

DVV-EA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		505	586-7601	91	02	04
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MOLYBDENUM - AVG 6 MONTHS PRECEEDING.

MOLYBDENUM - MAX CURRENT MONTH ONLY.



BRUCE KING
GOVERNOR

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

nm 22306

Certified Mail - Return Receipt Requested - P 757 742 743

December 4, 1991

Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc.
P.O. Box 469
Questa, New Mexico 87566

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

RECEIVED

DEC 10 1991

Re: October 29, 1991 Spill -- Corrective Action Report

Dear Mr. Shoemaker:

The Environment Department (ED) is in receipt of Molycorp's November 1, 1991 letter addressing written notification and corrective actions for the referenced spill. The ED is also in receipt of Molycorp's verbal notification of a discharge on November 26, 1991. We understand Molycorp has sent a written report on the November discharge which we have not yet received. However, in accordance with the New Mexico Water Quality Control Commission regulation 1-203.A.7., the ED must act on the November 1, 1991 letter by December 5, 1991.

Pursuant to WQCC regulation 1-203.A.7. your corrective action report is hereby disapproved. A modified corrective action report is therefore required in accordance with the regulation and must be submitted within 15 days of your receipt of this letter. The modified report must address the problems discussed in the summary below regarding the repeat discharge on November 26, 1991, i.e., why the corrective actions employed after the October discharge did not prevent the November discharge.

Summary

In the early morning hours of October 29, 1991 an unknown volume of mine (de)water overflowed from a reclaim tank near the Molycorp mill. The water traversed Molycorp property and a portion entered the Red River. According to Molycorp, the discharge was in part caused by shut down of the mill and removal of both tailings lines from service for repair. The tailings lines are the normal avenue for disposition of this water.

Molycorp verbally notified the ED Surface Water Quality Bureau at approximately 11:45 hours the same day in accordance with WQCC regulation 1-203.A.1 and described immediate corrective actions taken. Molycorp's November 1, 1991 corrective action report

Mr. David R. Shoemaker
December 4, 1991
Page 2

delineated additional management actions initiated to prevent future similar occurrences. These actions include a formal scheduled management meeting to discuss possible water management problems and contingencies prior to shut-down.

On December 2, 1991, Molycorp verbally notified the ED Surface Water Quality Bureau at approximately 13:13 hours that an unknown amount of water had overflowed from a holding tank on Tuesday November 26, 1991 and had reached the Red River. The water in the tank was reportedly from the Red River. According to Molycorp, the water may have been contaminated by yard oil or grease as it traversed the property on the way to the river.

On December 4, 1991, Mr. Glenn Saums of my staff spoke to Mr. Bill Renison of your staff and learned that he believed the tank involved in the November incident was the same tank as involved in the October incident, albeit the source of the water was different. If this is the case, then the corrective actions submitted by Molycorp in regard to the October incident which were intended to prevent future inadvertent spills of any kind from this tank were obviously ineffective or inadequate.

Comment

It is noted the October water samples collected and analyzed by Molycorp were tested according to the 16th edition of Standard Methods for the Examination of Water and Wastewater. For your information, the United States Environmental Protection Agency recently revised its list of approved analytical techniques found in 40 CFR 136. The revisions include changing approval from the 16th edition to the 17th edition. The change to the 40 CFR 136 regulation was published in the October 8, 1991 Federal Register (56 FR 50758). If you have not already done so, you should update your analytical protocol according to the new regulations.

I appreciate your prompt attention to this matter. If you have any questions, please contact Glenn Saums of my staff at 827-2827.

Sincerely,



Jim Piatt
Chief
Surface Water Quality Bureau

cc:
USEPA Region 6 Enforcement Branch (6W-ET)
Kathleen M. Sisneros, Director, NMED-W&WMD
Rip Harwood, NMED-OGC
Richard Mitzelfelt, NMED-Dist. II Office

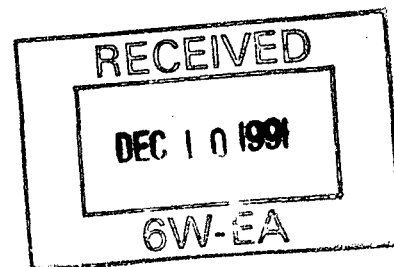
Mr. David R. Shoemaker
December 4, 1991
Page 3

Ken McCallum, NMED-Taos Field Office
Steve Cary, NMED-GWP&RB
Jake Ortega, Concerned Citizen

UNOCAL 76

MOLYCORP

December 3, 1991



AD
nm 22306
Glen Saums
Surface Water Section
N.M. Environment Department
1190 St. Francis Drive
Santa Fe, New Mexico 87503

AD
1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
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7 - CRAS
Date Filed
Clerk's Inits.

Dear Mr. Saums:

This letter summarizes the December 2, 1991, telephone conversation between LeRoy Apodaca of Molycorp and Ann Young of NMED reporting the malfunction of the mill water system on the evening of November 26 and repeated problem during early morning of November 27, 1991.

The first water system problem was discovered around 9:30 p.m. on November 26 when Molycorp security personnel discovered that a mill water tank was overflowing into the upper mill yard area. A second overflow situation was also occurring in the lower mill yard with the overflow of an outside concrete sump. The overflow problem occurred at the end of a four-day mill shutdown during which time only river diverted water was supplying mill shutdown requirements. A power bump probably disrupted the computer controlling the pumps feeding the water tank, thereby not shutting down the feed pumps or river diversion pump. Security personnel corrected the situation and contacted the maintenance superintendent, Bill Renison, to notify him of the situation. Mr. Renison, in the confusion of the moment, assumed that no recycled river water had entered the Red River from either overflow location, although water from the lower mill yard overflow crossed the highway and ponded in two depressions located between the highway and the river.

The second overflow occurrence took place at approximately 6:00 a.m. on November 27 and was a repeat of the previous evening's pumps control problems.

After a more detailed investigation of the 9:30 p.m. and 6:00 a.m. occurrences, we have to assume that during the 9:30 p.m. overflow situation some recycled river water might have reached the river through a storm culvert located under the highway adjacent to the upper mill yard. We have no way of gauging the quantity.

Inspection of the overflow areas shortly after the 6:00 a.m. occurrence showed that no water entered the river at either the upper or lower yard sites.

The mill water system computer control malfunction has been corrected. In order to eliminate any further water system overflow problems, a mill employee will be on duty during all four-day mill shutdowns to monitor and correct any problems.

If you should have any further questions, please phone me at 586-7601.

Very truly yours,

A handwritten signature in cursive script, appearing to read "David R. Shoemaker".

David R. Shoemaker
Mine Manager

cc: B. Smith, EPA
Dallas, Texas



MolyCorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

6W-E

UNOCAL 76

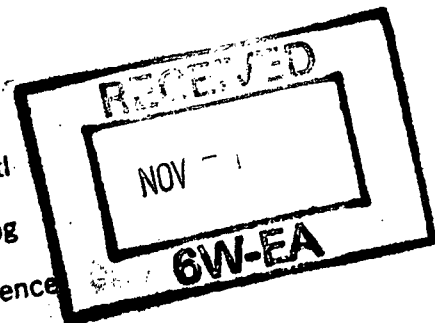
MOLYCORP

1 AD
m22306

November 1, 1991

RECEIVED
WATER SUPPLY BRANCH
91 NOV 12 AM 7:08
6W-S

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
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- 7 - CRAS
- Date Filed
- Clerk's Inits.



Mr. Glen Saums
State of New Mexico
Environment Department
Surface Water Section
P.O. Box 26110
Santa Fe, NM 87502

Dear Mr. Saums:

This letter is to confirm our telephone conversation of 10/29/91 during which I informed you of a water spill from our property which entered the Red River.

Shortly after midnight on October 29, 1991, one of our employees reported that a holding pond containing water which had been pumped up from the underground mine was overflowing. This overflow water was contained on our property. Pumps were started to pump water from the holding point to a steel tank (reclaim tank) located on the hillside above the mill. At the time, the mill was not in operation. Normally mine water is discharged into sump 5000, a second holding tank which holds water prior to release into the tailings lines. The pumps continued pumping water into the reclaim tank throughout the early morning hours. At 4:30 a.m., a company guard checked the pumps, sump 5000, and the surrounding area and reported everything to be normal.

At approximately 7:15 a.m. on October 29, LeRoy Apodaca of my staff received a telephone call from a second Company employee reporting that water was flowing across the mill yard and into the river through a culvert under the highway. Mill employees were immediately notified of this and the pumps which were pumping water to the reclaim tank were shut off. A second set of pumps began pumping this water to sump 5000. Because the time the water entered the river after 4:30 a.m. is unknown, and the time the flow into the river stopped is also unknown, it is impossible to determine the amount of water which actually entered the river. When the river was inspected by Apodaca at approximately 7:30 a.m., there was a small flow into the river. The river was slightly murky at the entry point. By approximately 9:00 a.m., the flow had completely stopped.

Samples were taken above the point of entry, below the point of entry, approximately 3 miles downstream from the point of entry where the river was just slightly murky, and a sample of the underground mine

water which was pumped to the reclaim tank was also taken. Copy of the analyses is enclosed.

At the time of this spill, the mill was on a scheduled four-day shutdown. Normally underground mine water is discharged into one of the two tailings lines during a shutdown, but the two tailings lines were down for repair and the mine water was being stored in the mill.

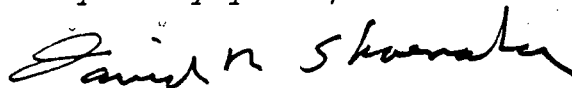
The reason the reclaim tank overflowed was because the person who started the pumps failed to open a water line into sump 5000 which would have prevented the tank from overflowing.

The actions taken to prevent a similar occurrence follow:

1. If both tailings lines will be down for repair during a mill shutdown, a formal scheduled plant water management meeting will be held before the shutdown.
2. The purpose of the meeting shall be to inform all those concerned of any work to be done in the mine, mill and tailings disposal system that may affect the mine-mill water handling systems during the shutdown.
3. Several scenarios describing potential trouble with water management shall be presented at each meeting and adequate corrective action will be discussed.
4. Schematic drawings of the mill water system will be distributed and posted at strategic locations.
5. All piping and valving in the mine-mill water handling system will be clearly identified before the next mill shutdown.
6. A trouble shooting and corrective action list on how to prevent any water tank from overflowing has been distributed to all mill personnel involved in mill water handling.

Please call me if I can be of further assistance or if you have any questions.

Very truly yours,



David R. Shoemaker
Mine Manager

Enclosure:
Water analyses

cc: E.P.A. Dallas
T. Thomas

RESULTS OF ANALYSIS

MINE WATER SPILL INTO RED RIVER

October 29, 1991

SAMPLE SOURCE	DATE	PH	TSS	COD	TOTAL CN	* FE	** MN	* ZN	* MO	MICROMHOS/CM CONDUCTIVITY @25 C
ABOVE ENTRY (12:55PM)	10/29	7.2	11	12	<.001	0.33	.198	.030	<.03	300
DOWN STREAM FROM ENTRY (1:00PM)	10/29	7.5	61	12	<.001	2.86	.320	.053	.21	316
BELOW ENTRY (1:05PM)	10/29	7.4	11	10	<.001	0.39	.204	.038	<.03	300
U.G. MINE WATER (9:30AM)	10/30	7.7	149	17	<.001	3.28	1.67	0.35	5.66	2,390

* TOTAL METALS

** DISSOLVED METALS

ALL UNITS IN PPM EXCEPT PH

LESS THAN SYMBOLS INDICATE DETECTION LIMITS OR NO DETECTION OF THE ANALYTE:

ANALYSIS PERFORMED ACCORDING TO STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE WATER 16th EDITION

nm 22306
AD

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

May 22, 1991

UNOCAL 76

Mr. Glen Saums
Surface Water Section
N.M. Environmental Improvement Division
1190 St. Francis Drive
Santa Fe, NM 87503

MOLYCORP

RECEIVED

MAY 28 1991

6W-EA

Dear Mr. Saladen:

This letter is to inform you that Molycorp, Inc. experienced a tailings line break on May 21, 1991 at approximately 5:30 pm. The spill was caused by a pressure surge in the line causing a water hammer effect which separated a pipe coupling. The break was reported to mill control by Mr. Lee Ortega, a Molycorp employee whose residence is near the spill area. I notified EID by telephone at approximately 9:00 pm.

The tailings line was immediately dumped and tailings line maintenance crews were dispersed to contain the spill. The spill entered an irrigation ditch and approximately 1/4 mile downstream from the break the ditch was bermed and tailings diverted to an emergency sump. Unfortunately, tailings had flowed for approximately one mile further downstream in the irrigation ditch prior to blocking off.

At the terminus of the irrigation ditch, tailings exited the ditch and entered an arroyo which drains into the Red River. Maintenance crews successfully bermed the arroyo approximately 200 feet upstream prior to entering the Red River and prevented discharge to the river. A field investigation to assess the spill area on May 22, 1991, revealed a small feeder ditch off of the main irrigation ditch which had channeled a small amount (estimated approximately 25 gallons) of tailings into the Red River. Upon this discovery at 10:30 am, sampling was initiated on the Red River, which is at flood stage due to rainfall and snow melt.

The tailings spill occupies approximately 1.5 miles of irrigation ditch. Some tailings have spilled onto some private properties via small feeder ditches. Clean-up efforts were started immediately and are continuing. It is estimated that the spill area will be cleaned up within one week.

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- AD 5 - NCR
- 6 - Correspondence
- 7 - CRAS

cc: EPA Dallas, TX Date Filed
Clerk's Inits.

Sincerely yours,

David R. Shoemaker
David R. Shoemaker
Mine Manager

RECORD OF COMMUNICATION	X	Phone call		Conference	DATE: 10/29/91
		Discussion		Other	TIME: afternoon
TO: SAMMY MITZ, 6W-ET			FROM: LEROY APODACA, MOLYCORP NM 22306		
FACILITY: MOLYCORP, INC. - QUESTA SUBJECT: SPILL OF 'MINE WATER'					

Summary of Communication: LEROY CALLED TO REPORT A SPILL OF 'MINE WATER' - GROUND WATER WHICH SEEPS INTO THE MINE AND IS USED IN THE MINING PROCESS. LEROY SAID, HOWEVER, THAT THE MINE WAS NOT OPERATING AT THE TIME OF THE SPILL; THEREFORE, THE SPILLED WATER HAD NOT BEEN USED IN ANY PROCESS. MINE WATER WAS BEING PUMPED TO A HOLDING TANK, WHICH OVERFLOWED. THE SPILLED WATER FLOWED ACROSS THE MOLYCORP PROPERTY INTO A DRAINAGE DITCH AND INTO THE RED RIVER. MOLYCORP WILL FOLLOW UP WITH A WRITTEN REPORT WHICH WILL INCLUDE THE CORRECTIVE ACTION TAKEN.

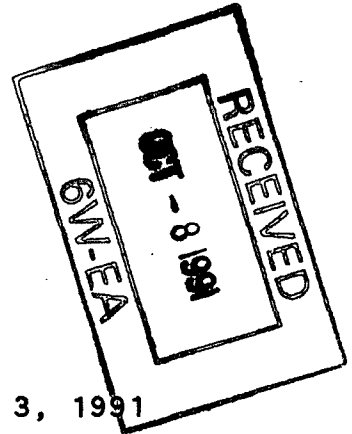
Conclusions, action taken or required: WAIT FOR WRITTEN REPORT FOR FURTHER EVALUATION.

Information copies to: BEAU SMITH, A.D. TALTON, FILE

1 - Permit/CD
 2 - AO & AO matl
 3 - DMR's
 4 - Vio. Sum. Log
 5 - NCR
 6 - Correspondence
 7 -
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 its.

MolyCorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL ⁷⁶
MOLYCORP



October 3, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of September 1991,
Permit No. NM0022306, Outfalls 001 and 002. Please be
advised that no outflow occurred in Outfall 001 for the
entire month.

Sincerely yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM ED Program Manager
File

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Viol. Sum. Log
- 5 - NCR
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- Date Filed
- Clerk's Inits.

MolyCorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

RECEIVED

APR - 9 1991

6W-EA

UNOCAL 76

MOLYCORP

March 26, 1991

Mr. Mike Saladen
Surface Water Section
N.M. Environmental Improvement Division
1190 St. Francis Drive
Santa Fe, NM 87503

NM 22306

Dear Mr. Saladen:

Dad

This letter is to inform you that MolyCorp, Inc. experienced a tailings break at 2:00 a.m. on March 26, 1991. The spill was caused by the rupture of the No. 2 line at Station No. 36546 (approximately 200 feet below the earthen dump sump and 200 yards above the concrete dump sump). The rupture consisted of a two-inch diameter hole two feet upstream of a coupling, on the bottom of the pipe. Approximately 1000 gallons of tailings spilled from the pipe. The tailings were contained in the trench in which the tailings lines are bedded for approximately 100 yards. The tailings then left the trench and ran into two earthen sumps immediately adjacent to the concrete (lower) sump, and were wholly contained in the immediate vicinity of the sump. No tailings left the sump area..

The break was discovered and reported by the tailings patrolman. Since the break was so near the emergency sump, the line was immediately discharged into the sump, thereby reducing the pressure on the ruptured line. Clean-up of the spill was begun immediately and should be completed as quickly as it dries.

No tailings got on any Forest Service or other private land.

Very truly yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

DRS:em

cc: S. Mitz/EPA/Dallas

- ____ 1 - Permit/CD
- ____ 2 - AO & AO matl
- ____ 3 - CMR's
- ____ 4 - Viol. Sum. Log
- CV* ____ 5 - NCR
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- ____ 7 - CRAS
- ____ Date Filed
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MolyCorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP

RECEIVED

APR 1 1991

6W-EA

March 26, 1991

① Ad
NMZ 2306 ?

Mr. Mike Saladen
Surface Water Section
N.M. Environmental Improvement Division
1190 St. Francis Drive
Santa Fe, NM 87503

Dear Mr. Saladen:

This letter is to inform you that MolyCorp, Inc. experienced a tailings break at 2:00 a.m. on March 26, 1991. The spill was caused by the rupture of the No. 2 line at Station No. 36546 (approximately 200 feet below the earthen dump sump and 200 yards above the concrete dump sump). The rupture consisted of a two-inch diameter hole two feet upstream of a coupling, on the bottom of the pipe. Approximately 1000 gallons of tailings spilled from the pipe. The tailings were contained in the trench in which the tailings lines are bedded for approximately 100 yards. The tailings then left the trench and ran into two earthen sumps immediately adjacent to the concrete (lower) sump, and were wholly contained in the immediate vicinity of the sump. No tailings left the sump area.

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No tailings got on any Forest Service or other private land.

Very truly yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

DRS:em

cc: S. Mitz/EPA/Dallas

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Date Filed
Clerk's Inits.

NPDES VIOLATION SUMMARY SHEET

29-Apr-93

NPDES #	NM0022306	LOCATION	QUESTA, NEW MEXICO	PERMIT EFFECTIVE	JUNE 21, 1988
PERMITTEE	MOLYCORP INC, QUESTA DIV	STATUS	MAJOR	AO/CD	90-1037 DTD 8/21/90
OFFICIAL	DAVID R. SHOEMAKER, GEN SUPT	CONTACT	CURT SERVISS (586-7614)	PERMIT ENGIN.	MARTINEZ
PHONE	(505) 586-0212	ENG/SCIE	NELSON "BEAU" SMITH	ORDER PRE-PRINT DMR	APRIL 5, 1991

DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
06/04/90 LTR	06/08/90	APRIL 30, 1990 AND MAY 17, 1990	EID SPILL INSPECTION					FUGATE 06/13/90	A.O IN DRAFT 6/16/90	AD			
06/14/90 LTR	06/18/90	MOLYDBNUM MASS CALCULATIONS BASED ON ONE DAY FLOW IN OUTFALL 001 AND CONTINUOUS FLOW IN OUTFALL 002: daily max 13.1 lbs/da daily avg 8.0 lbs/day six-month daily avg 7.8 lbs/day						FUGATE 06/25/90	FILED 08/16/90	AD			A.O IN DRAFT WILL COVER
05/90 DMR	06/18/90	001A NO VIOLATIONS 002A NO VIOLATIONS SUMA NO VIOLATIONS 001 & 002 NO VIOLATIONS (HOLD TIL A.O. IS ISSUED)						FUGATE 06/25/90	FILED 08/16/90				A.O IN DRAFT WILL COVER DMR LATE POSTMARKED 8/1/90
06/90 DMR	07/20/90	001A NO VIOLATIONS 002A NO VIOLATIONS SUMA NO VIOLATIONS 001 & 002 NO VIOLATIONS (HOLD TIL A.O. IS ISSUED)						FUGATE 07/24/90	FILED 08/16/90				A.O IN DRAFT WILL COVER DMR LATE POSTMARKED 8/1/90
04-06/90 DMR(TOXICITY)	08/05/90	TX1A PASSED = 0						FUGATE 08/14/90	FILED	AD		08/16/90	DMR LATE POSTMARK 8/1/90 A.O IN DRAFT WILL COVER
07/90 DMR	08/21/90	001A NO DISCHARGE 002A MANGANESE, daav	1.77		1	mg/L	1.8	FUGATE 08/27/90	AO 90-1037 ISSUED				

- 1 - Permit/CD
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OFFICIAL	DAVID R. SHOEMAKER, GEN SUPT	CONTACT	CURT SERVISS (586-7614)	PERMIT ENGIN.	MARTINEZ
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DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
			MANGANESE,damx	1.79	1.5	mg/l	1.2						
			MOLYBDENUM,daav	2.36	1	mg/l	2.4						
			MOLYBDENUM,damx	2.54	1.5	mg/l	1.7						
		SUMA	NO VIOLATIONS										
08/21/90 AO 90-1037	08/20/90		AO 90-1037 ISSUED 8/21/90 SHOW CAUSE AO - REQUESTING A MTG SET-UP						FILED	AD		08/28/90	CODED PCS 8/30/90
09/07/90 LTR	09/12/90		LTR FROM NMEID (MIKE SALADEN) IN RESPONSE TO EPA LTR 9/5/90. HE WILL ATTEND MTG W/MOLYCORP					FUGATE 09/20/90	FILED	AD		09/29/90	
09/07/90 LTR	09/13/90		PERFORMANCE EVALUATION REPORT					FUGATE 09/20/90	FILED	AD		09/29/90	
09/17/90 LTR	09/18/90		RESPONSE TO AO 90-1037 PROVIDING EXPLANATION FOR THE VIOLATIONS. BEING ADDRESSED BY THE AO					FUGATE 09/20/90	FILED	AD		09/29/90	
08/90 DMR	09/17/90	001A	NO DISCHARGE					FUGATE	FILED	AD	10/09/90	01/17/91	NO INDICATION ON 001A DMR FOR NO DISCHARGE
		002A	MANGANESE,daav	1.67	1	mg/l	1.7	09/29/90					
			MOLYBDENUM,daav	2.41	1	mg/l	2.4						
			MOLYBDENUM,damx	2.47	2	mg/l	1.2						
		SUMA	NO VIOLATIONS										
09/19/90 CLOSURE OF AO 88-179	10/02/90		CLOSURE OF AO 88-179						FILED	AD		10/01/90	CODED PCS 10/2/90
10/02/90	10/10/90		NONCOMPLIANCE REPORT					FUGATE	FILED	AD		11/5/90	

NPDES VIOLATION SUMMARY SHEET

29-Apr-93

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OFFICIAL	DAVID R. SHOEMAKER, GEN SUPT	CONTACT	CURT SERVISS (586-7614)	PERMIT ENGIN.	MARTINEZ
PHONE	(505) 586-0212	ENG/SCIE	NELSON "BEAU" SMITH	ORDER PRE-PRINT DMR	APRIL 5, 1991

DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
NCR			LTR INFORMING NMEID OF THEIR ANALYSIS OF pH & CYANIDE WERE NOT WITHIN ACCEPTABLE LIMITS					10/24/90					
09/90 DMR	NO DATE	TX1A	NOT REPORTED						WE-10	AD	10/30/90	01/17/91	
		001A	NO DISCHARGE										
		002A	MANGANESE,daav	1.72	1	mg/l	1.7						
			MANGANESE,damx	2.49	2	mg/l	1.2						
			MOLYBDENUM,daav	2.35	1	mg/l	2.4						
			MOLYBDENUM,damx	2.49	2	mg/l	1.2						
		SUMA	NO VIOLATIONS										
09/12/90	09/17/90		PERFORMANCE EVALUATION REPORT					FUGATE 09/20/90	FILED	AD		11/7/90	RETURN TO ENG 11/7/90
10/90 DMR	11/19/90	001A	NO DISCHARGE										
		002A	MANGANESE,daav	1.69	1	mg/l	1.7						
			MANGANESE,damx	1.75	2	mg/l	0.9						
			MOLYBDENUM,daav	2.15	1	mg/l	2.2						
			MOLYBDENUM,damx	2.34	2	mg/l	1.2						
		SUMA	NO VIOLATIONS										
11/21/90 NCR (BYPASS)	NO DATE		NON-COMPLIANCE REPORT					FUGATE	INCLUDED IN APO 91-1617			1/16/91	
			11/20/90 THERE WAS A TAILING SPILL - EST 22,500 GALLON CAUSED BY A WEAR OF THE BOTTOM OF THE PIPE TO PREVENT RECURRENCE OF NONCOMPLYING: EMERGENCY SUMPS WILL BE DRAINED IN THE FUTURE TO					12/20/90	1/11/91				

NPDES VIOLATION SUMMARY SHEET

29-Apr-93

NPDES #	NM0022306	LOCATION	QUESTA, NEW MEXICO	PERMIT EFFECTIVE	JUNE 21, 1988
PERMITTEE	MOLYCORP INC, QUESTA DIV	STATUS	MAJOR	AO/CD	90-1037 DTD 8/21/90
OFFICIAL	DAVID R. SHOEMAKER, GEN SUPT	CONTACT	CURT SERVISS (586-7614)	PERMIT ENGIN.	MARTINEZ
PHONE	(505) 586-0212	ENG/SCIE	NELSON "BEAU" SMITH	ORDER PRE-PRINT DMR	APRIL 5, 1991

DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
PREVENT LOSS OF STORAGE CAPACITY & OLDER SECTIONS OF TAILING PIPE LINES WILL BE GAUGED.													
12/03/90 EID SPILL INSP	12/07/90	11/20/90	EID SPILL INSPECTION REPORT					FUGATE 12/20/90	FILED	AD		1/8/91	COVERED IN AO 91-1617
12/06/90 LTR	12/12/90		RESPONSE TO AO 90-1037					FUGATE 12/20/90	FILED	AD		1/16/91	
11/90 DMR	12/17/90	001A 002A SUMA	NO DISCHARGE NO VIOLATIONS NO VIOLATIONS						FILED	AD		1/8/91	
12/90 DMR	01/09/90	001A 002A SUMA	NO DISCHARGE NOT RPTED NO VIOLATIONS						WE-10	AD	1/16/91		
01/15/91 APO 91-1617			APO 91-1617 ISSUED FOR BYPASSES, FAILURE TO MAINTAIN IT TAILINGS PIPELINE & VIOLATING PERMIT LIMITS OF MOLYBDENUM AVG &/OR DAILY MX						FILED	AD		1/16/91	CODED PCS 1/16/91
12/90 DMR	01/09/91	002A	NO VIOLATIONS						FILED	AD		1/28/91	
01/24/91 LTR	01/27/91		RESPONSE TO APO 91-1617 FOR PROPOSAL AND TO REQUEST A CONFERENCE.					TEEL 2/4/91	FILE	AD		2/12/91	CODED PCS 2/4/91

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29-Apr-93

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PHONE	(505) 586-0212	ENG/SCIE	NELSON "BEAU" SMITH	ORDER PRE-PRINT DMR	APRIL 5, 1991

DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
09/90 DMR	10/28/90	TX1A	PASSED = 0						FILED	AD		2/5/91	
01/28/91 LTR	02/04/91	LTR	PROVIDING A XEROX COPY OF TX1A DMR FOR 9/90						FILED	AD		2/4/91	ROUTED TO PCS 2/4/91
02/26/91 CRAS		CRAS	ROUTED TO END REQUESTING CLOSURE OF AO 90-1037					CRAWFORD 2/26/91	ADM CLOSE IN ROUTE(2/28/91)	AD		3/2/91	
01/91 DMR	02/07/91	001A 002A SUMA	NO DISCHARGE NO VIOLATIONS NO VIOLATIONS						FILED	AD		3/5/91	
02/28/91 CLOSURE AO 90-1037			CLOSURE OF AO 90-1037						FILED	AD		3/7/91	CODED PCS 3/7/91
03/12/91 EPA LTR			EPA LTR REQUESTING MISSING TX1A DMR FOR 12/90						FILED	AD		3/12/91	CODED PCS 3/12/91
02/91 DMR	03/14/91	001A 002A SUMA	NO DISCHARGE NO VIOLATIONS NO VIOLATIONS						FILED	AD		3/21/91	
10-12/90 DMR	03/19/91	TX1A	CHR CERIODAPHNIA = FAILED (1) OTHERS PASSED = 0						FILED	AD		3/25/91	
03/22/91	03/26/91	LTR	INFORMING NMEID OF THE COMPLETION & SAMPLING					CRAWFORD	FILED	AD		4/10/91	

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OFFICIAL	DAVID R. SHOEMAKER, GEN SUPT	CONTACT	CURT SERVISS (586-7614)	PERMIT ENGIN.	MARTINEZ
PHONE	(505) 586-0212	ENG/SCIE	NELSON "BEAU" SMITH	ORDER PRE-PRINT DMR	APRIL 5, 1991

DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
LTR TO NMEID			OF THE WELLS WHICH THEY HAD AGREED UPON LOCATED IN THE TWO TAILINGS SUMP AREAS.					4/2/91					
03/26/91 LTR (NCR)	04/01/91		LTR TO NMEID INFORMING THEM OF A SPILL ON 3/26/91 WHICH WAS CAUSED BY THE RUPTURE OF #2 LINE AT STATION NO. 36546. SPILL AMOUNT APPROX 1,000 GALLONS. ACTION TAKEN TO PREVENT RECURRENCE: THE LINE WAS IMMEDIATELY DISCHARGE INTO THE SUMP AND CLEANED UP THE SPILL.					MITZ 4/3/91	NO ACTION 4/11/91				
03/15/91 L/S CORRECTION			LIMIT SUMMARY CORRECTION: DELETE OUTFALL 001A & TX1A LIMITS DOES NOT GO INTO EFFECT UNTIL MILL START-UP					RTD TO CSC 3/15/91	ORDER PRE- PRINT DMRS	AD		4/5/91	
04/02/91 AO 91-130			AO 91-130 ISSUED FOR NON-REPORTING OF 4/90 SUMA DMR						FILED	AD		4/5/91	CODED PCS 4/5/91
03/26/91 NCR (BYPASS)	04/09/91		NONCOMPLIANCE REPORT MOLYCORP INC. ON 3/26/91 SPILL - 1,000 GALLONS CAUSED BY RUPTURE OF #2 LINE @ STATION NO. 26546 ACTION TAKEN TO PREVENT RECURRENCE: TAILINGS CONTAINED IN TRENCH WHICH TAILINGS LINES ARE BEDDED					MITZ 4/10/91	NO ACTION 4/18/91	AD		4/23/91	
04/08/91 BIOMONITORING RPT	04/12/91		BIOMONITORING REPORT FOR FIRST QTR (3/91)					MARTINEZ/6WP 4/23/91	NO ACTION	AD		7/12/91	COPIED & SENT TO FILE 4/23/

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OFFICIAL	DAVID R. SHOEMAKER, GEN SUPT	CONTACT	CURT SERVISS (586-7614)	PERMIT ENGIN.	MARTINEZ
PHONE	(505) 586-0212	ENG/SCIE	NELSON "BEAU" SMITH	ORDER PRE-PRINT DMR	APRIL 5, 1991

DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
04/17/91 LTR W/DMR	04/19/91		LTR EXPLAINING THE DELAY OF SUBMITTING SUMA DMR FOR 4/90. (LTR SENT TO FILE & DMR COPIED AND SENT TO PCS UNIT FOR DATA ENTRIES)						FILED	AD		4/24/91	
03/18/91 LTR W/DMR	03/19/91		RESPONSE TO EPA LTR DTD 3/13/91 REQUESTING MISSING TX1A DMR FOR 12/90 (RCVG @ DESK 4/18/91) DMR SENT TO CSC AND BIOMONITORING RPT SENT TO 6W-P										
03/91 DMR	04/12/91		TX1A PASSED = 0 001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS						FILED	AD		4/24/91	
04/91 DMR	05/14/91		001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS						FILED	AD		5/30/91	
05/22/91 NCR (BYPASS)	05/28/91		NONCOMPLIANCE REPORT (BYPASS) MOLYCORP ON 5/21/91 SPILL - 25 GALLONS CAUSED BY PRESSURE SURGE IN THE CAUSING A WATER HAMMER EFFECT WHICH SEPARATED A PIPE COUPLING. ACTION TAKEN TO PREVENT REURRENCE: TAILING LINES WAS IMMEDIATELY DUMPED & TAILINGS LINE MAINTENANCE CREWS WERE DISPERSED TO CONTAIN					MITZ 6/5/91	FILED	AD		6/17/91	

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THE SPILL.													
05/30/91 LTR	06/04/91		RESPONSE TO EPA LTR DTD 4/24/91 REQUESTING MORE INFORMATION ON THE FORMULA AN/OR PROCEDURE OF THE FINES THAT WILL BE ASSESSED & THE OUTCOME OF VIOLATION(S) & AMOUNT.					MITZ 6/6/91	FILED	AD		8/28/91	
06/10/91 AO 91-1080			AO 91-1080 ISSUED FOR BY-PASS OF TAILINGS ON 5/21/91						FILED	AD		6/11/91	CODED PCS 6/11/91
06/10/91 APO 91-1617			APO 91-1617 FINAL ISSUANCE FOR PENALTY PAYMENT IN THE AMOUNT OF \$30,000						FILED	AD		6/11/91	CODED PCS 6/11/91
05/91 DMR	06/13/91		001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS						FILED	AD		6/24/91	
06/19/91 AO 91-1080	06/24/91		RESPONSE TO AO 91-1080					MITZ 6/26/91	SCHEDULE AO IN DRAFT (8/15/91)	AD		8/28/91	CODED PCS 6/26/91
06/21/91 APO 91-1617	06/24/91		APO 91-1617 PENALTY PAYMENT IN THE AMOUNT OF \$30,000						FILED	AD		6/26/91	CODED PCS 6/26/91
07/02/91 LTR FROM NMEID	07/08/91		LTR FROM NMEID TO MOLYCORP INC INFORMING THEM OF THE DISAPPROVAL OF CORRECTIVE ACTION REPORTED					MITZ 7/12/91	FILED	AD		8/28/91	

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07/11/91 LTR	07/16/91		LTR INFORMING EPA THAT THE PRESENT DMR's RECEIVED DOES NOT CONSIST OF OUTFALL 001 NOR FLOW WEIGHTED COMPOSITE 001 & 002 AND THAT IN THE PAST EPA INCLUDED DMR's FOR OUTFALL 001.						FILED	AD		7/25/91	
07/18/91 LTR			EPA LTR (6WP) INFORMING THEM THAT NO ADDITIONAL BIOMONITORING IS REQUIRED FOR OUTFALL 002A AND THAT THEY HAVE FULFILLED PERMIT REQUIREMENTS. THEY MUST CONDUCT TWO MORE QTRLY TESTING USING EFFLUENT FROM OUTFALL 001, SAME EFFLUENT DILUTIONS REQUIRED FOR THE COMBINE EFFLUENT SAMPLING FOR OUTFALL 001 & 002.						FILED	AD		7/25/91	
07/03/91 MEMO TO FILE			MEMORANDUM TO FILE FROM MARTINEZ (6W-PT) REFERENCING BIOMONITORING REQUIREMENTS. ITS STATES THAT THE PERMITTEE MUST CONDUCT TWO MORE QTRLY TEST USING EFFLUENT FROM OUTFALL 001						FILE	AD		7/25/91	
07/19/91 LTR	07/25/91		LTR ADDRESSES QUESTIONS ASKED BY NMEID's LTR DTD 7/2/91 ON CORRECTIVE ACTION/SPILL REPORT ON 6/3/91					MITZ 7/27/91	FILED	AD		8/28/91	
06/91 DMR	07/18/91	001A 002A SUMA	NO DISCHARGE NO VIOLATIONS NO VIOLATIONS						FILED	AD		7/29/91	

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07/29/91 LTR (RPT)	08/06/91		LTR REPORTING THE RESULTS OF ALL WELLS EXCEPT FOR US-2 WELL (DID NOT HAVE ENOUGH WTR FOR SAMPLING)					MITZ 8/7/91	FILED	AD		8/28/91	
08/14/91 CRAS			CRAS REQUESTING CLOSURE OF AO 91-1080 (ALL REQUIREMENT HAS BEEN MET)					MITZ 8/14/91	WILL CLOSE 8/19/91	AD		8/28/91	
08/19/91 CLOSE-OUT LTR			CLOSURE OF AO 91-1080						FILED	AD		8/28/91	CODED PCS 8/28/91
07/91 DMR	08/09/91	002A SUMA	NO VIOLATIONS NO VIOLATIONS						FILED	AD		9/5/91	
08/29/91 AO 91-415			AO 91-415 ISSUED FOR UNAUTHORIZED BYPASSES AND PROVIDE COMPLIANCE SCHEDULE FOR CORRECTING THE BYPASS (SCHEDULE AO)						FILE	AD		9/9/91	CODED PCS 9/9/91
09/03/91 LTR	09/05/91		LTR FROM NMEID TO MOLYCORP REGARDING 5/21/91 TAILING LINE BROKE & DISCHARGED MILL TAILINGS INTO AN ACEQUIA & ONTO ADJACENT LAND					MITZ 9/11/91	FILE	AD		9/18/91	
08/91 DMR	09/12/91	002A SUMA	NO VIOLATIONS NO VIOLATIONS						FILED	AD		9/18/91	
09/12/91 LTR	09/18/91		RESPONSE TO AO 91-415					MITZ 10/1/91	FILE	AD		10/9/91	CODED PCS 10/1/91

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10/01/91 LTR	10/03/91		LTR FROM NMEID REFERENCING LTR DTD 9/3/91 REQUESTING CLEAN-UP OF TAILING SPILL					MITZ 10/9/91	FILE	AD		10/24/91	
10/02/91 LTR	10/08/91		LTR TO NMEID RE:SEMI ANNUAL SAMPLING AGREEMENT IN THE MONTH OF SEPTEMBER 1991					MITZ 10/9/91	FILE	AD		10/24/91	
09/91 DMR	10/08/91	002A SUMA	NO VIOLATIONS NO VIOLATIONS						FILED	AD		10/17/91	
10/17/91 LTR	AT DESK 10/24/91		RESPONSE TO AO 91-415					MITZ 10/24/91	FILE	AD		10/31/91	
10/25/91 LTR	10/29/91		LTR FROM NMEID TO MOLYCOPR REGARDING THE INSPECTION OF THE CLEAN-UP OF THE TAILING WHICH SPILLED ONTO THEIR LAND DURING THE 5/21/91 MOLYCOPR TAILINGS PIPELINE FAILURE						FILE	AD		10/31/91	
10/29/91 ROC/NCR			RECORD OF COMMUNICATION MOLYCOPR CALLED TO REPORT SMILL OF MINE WATER, GROUND WTR WHICH SEEPS INTO THE MINE & IS USED IN THE MINING PROCES.						FILE	AD		10/31/91	ENG (MITZ) TALK TO THEM 10/29/91 & WROTE THIS ROC
11/01/91 NCR (BYPASS)	11/11/91		NONCOMPLIANCE REPORT (BYPASS) LTR TO NMEID (SURFACE WTR SECT) REFERENCING TELEPHONE CONVERSATION ON 10/29/91 OF A WATER SPILL FROM THEIR PROPERTY WHICH ENTERED THE RED RIVER					SMITH 11/27/91	DRAFTED WE-3	AD		12/3/91	

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11/15/91 LTR	11/20/91		LTR INFORMING EPA THEY ARE IN THE PROCESS OF OPERATING AN EXPERIMENTAL LUBE GRADE CIRCUIT WHICH, FROM TIME TO TIME, REQUIRES THE USE OF SMALL AMOUNTS OF ZINC CYNAD COMPLEX AS A DEPRESSANT. THEY DO NOT FORESEE ANY PROBLEMS						FILE	AD		11/27/91	
10/91 DMR	11/08/91	002A SUMA	NO VIOLATIONS NO VIOLATIONS						FILED	AD		12/6/91	
11/27/91 LTR	12/05/91		RESPONSE TO AO 91-415 (PROGRESS REPORT #2)					SMITH 12/13/91	FILE	AD		1/7/92	CODED PCS 12/13/91
12/03/91 LTR	12/10/91		LTR TO NMEID SUMMARIZING TELEPHONE CONVERSATION REFERING MALFUNCTION OF MILL WTR SYSTEM ON 11/26/91 AND 11/27/91 WHICH CAUSED OVERFLOWS					SMITH 12/13/91	WE-3 DRAFTED 12/23/91	AD		1/7/92	
12/04/91 LTR	12/10/91		LTR FROM NMEID TO MOLYCORP IN RESPONSE TO LTR DTD 11/1/91 ADDRESSING WRITTEN NOTIFICATION & CORRECTIVE ACTION FOR SPILL					SMITH 12/13/91	WE-3 DRAFTED 12/23/91	AD		1/7/92	
11/91 DMR	12/10/91	002A SUMA	NO VIOLATIONS NO VIOLATIONS						FILED	AD		1/6/92	
12/16/91 LTR	12/20/91		RESPONSE TO NMED LTR DTD 12/4/91 REQUESTING A MODIFIED CORRECTIVE ACTION RPT					SMITH 1/7/92	FILE	AD		1/13/92	

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12/19/91 LTR	12/23/91		RESPONSE TO MOLYCORP LTR DTD 12/16/91					SMITH 1/7/92	FILE	AD		1/13/92	
12/29/91 LTR	01/14/92		NEWSPAPER ARTICLE REFERENCING THE FILLING OF MOLYBDENUM MINE					SMITH 1/23/92	FILE	AD		1/29/92	
12/91 DMR	01/11/92	002A SUMA	NO VIOLATIONS NO VIOLATIONS						FILED	AD		1/28/92	

Molycorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP

December 16, 1991

RECEIVED

DEC 20 1991

6W-EA

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AD
NM 22306

Mr. Jim Piatt
Bureau Chief
Surface Water Quality Bureau
State of New Mexico
Environment Department
1190 St. Francis Drive
Santa Fe, NM 87502

Dear Mr. Piatt:

Molycorp is submitting this letter in response to NMED letter of December 4, 1991, requesting a "modified corrective action report" further addressing the Questa mine water system problems of October 29 and November 26/27, 1991.

The steps to be taken to correct mill water system problems outlined in Molycorp November 1, 1991, letter to NMED were followed by Molycorp security personnel and did correct the overflow problems that occurred the evening and morning of November 26/27, 1991; but unfortunately, the security patrol coverage was not set up to exclusively cover the mill water system on a 24-hour per day basis. In order to correct this oversight, a mill employee has been scheduled to be on duty to monitor the system 24 hours per day whenever there is any possibility that the mill water system can overflow. This corrective action step was implemented after the November 26/27 overflow situation and was outlined in our December 3, 1991, letter to NMED.

Your December 4 letter also stated that yard oil or grease may have contaminated the November 26/27 overflow streams. Our inspection the morning of November 27 of the frozen ground along and around the paths of the overflow streams did not show any oil or grease contamination.

Lastly, we are currently using the 17th edition of Standard Methods for the Examination of Water and Wastewater.

If you should have any further questions, please phone me at 586-7601.

- 1. Permit/CD
- 2. AO & AO matl
- 3. DMR's
- 4. Vio. Sum. Log
- 5. NCR
- 6. Correspondence
- 7. CRAS
- Date Filed
- Clerk's Inits.

Very truly yours,

David R. Shoemaker
David R. Shoemaker
Mine Manager

CC: B. Smith, EPA/Dallas



BRUCE KING
GOVERNOR

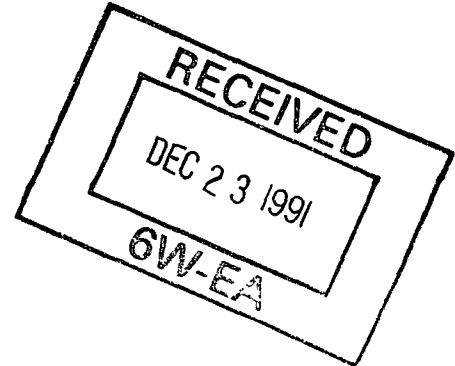
State of New Mexico

ENVIRONMENT DEPARTMENT

JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

hm
AD
22306



Certified Mail Return Receipt Requested

December 19, 1991

Mr. David Shoemaker
Mine Manager
Molycorp, Inc.
P.O. Box 469
Questa, New Mexico 87566

Re: October 29, 1991 Spill - Modified Corrective Action Report
November 26, 1991 Spill - Corrective Action Report

Dear Mr. Shoemaker:

The Environment Department is in receipt of Molycorp's December 16, 1991 letter addressing the mine water system problems. Since both referenced spills occurred from the same site and corrective actions taken are intended to be mutually effective, we will consolidate our response for both reports.

Pursuant to New Mexico Water Quality Control Commission regulation 1-203.A.7., your modified corrective action report for the October spill and the corrective action report for the November spill are both hereby approved.

To summarize, in addition to the measures outlined in your November 1, letter to Glenn Saums, you have increased system monitoring to 24 hours per day whenever there is any possibility that the mill water system can overflow.

Thank you for your prompt response in this matter. If you have any questions, please contact Glenn Saums of my staff at 827-2827.

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.



Harold Runnels Building • 1190 St. Francis Drive • P.O. Box 26110 • Santa Fe, New Mexico 87502

(505) 827-2850

FAX (505) 827-2836

Mr. David Shoemaker
December 19, 1991
Page 2

Sincerely,

A handwritten signature in cursive script, appearing to read "Jim Piatt".

Jim Piatt
Chief
Surface Water Quality Bureau

cc: B. Smith, USEPA Region 6 Enforcement Branch (6W-ET)
Rip Harwood, NMED-OGC
Kathleen M. Sisneros, Director, NMED-W&WMD
Richard Mitzelfelt, NMED-District II Office
Ken McCallum, NMED-Taos Field Office
Steve Cary, NMED-GWP&RB
Jake Ortega, Concerned Citizen

Molycorp, Inc.

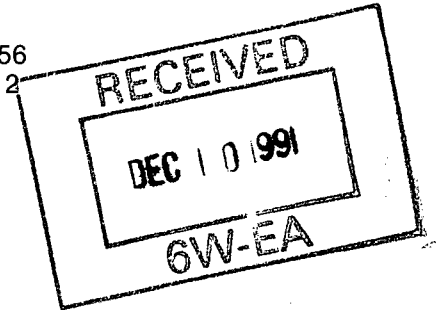
Questa Division

P.O. Box 469

Questa, New Mexico 87556

Telephone: (505) 586-0212

union
MOLYCORP



December 5, 1991

AD

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of November 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "David R. Shoemaker".

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM ED Program Manager
File

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clark's Inits.

Molycorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP

November 27, 1991

RECEIVED

DEC - 5 1991

6W-EA

AD
U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Attention: Mr. Myron O. Knudson, P.E.
Director, Water Management Division (6W)

Re: Administrative Order Docket No. VI-91-415
NPDES Permit No. NM 0022306

Dear Sir:

Submitted herewith is Progress Report 2 as required in the referenced Administrative Order.

Pipe Installation

As of October 15, No. 1 and 2 tails lines have been upgraded with No. 3 line rubber-lined pipe to Station 38,800'. This includes installation of tie-down structures, expansion joints and instrumentation hardware. The two line system was tested and put into operation on October 16, 1991.

Upgrading of lines 1 and 2 between Stations 40,000' and 44,600' has started and is on schedule.

Instrumentation

Expanded instrumentation has been installed and is being tested. The system will be operational by January 2, 1992.

Should you have any further questions or require further information, please call the writer at (505) 586-7601.

Sincerely yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

- AD
1 - Permit/CD
2 - AO & AO mat
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

cc: Roger K. Ferland
Timothy R. Thomas

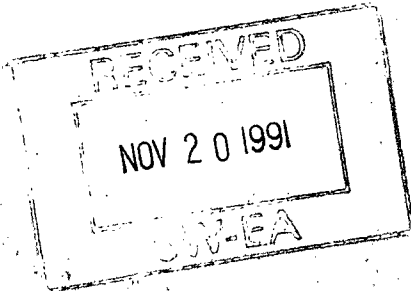
HAZARDOUS WASTE MGMT. DIV.
91 DEC - 2 PM 3:18
EPA REGION VI
RECEIVED

Molycorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

Certified RRR
No. P 473-901-803

UNOCAL 76

MOLYCORP



November 15, 1991

Mr. Beau Smith
U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: NPDES Permit No. NM 0022306

Dear Mr. Smith:

We are in the process of operating an experimental lube grade circuit which, from time to time, requires the use of small amounts of a zinc cyanide complex as a depressant. Because of the amount and the infrequent use, we do not foresee any problems with our discharge limitations. This does not appear to be reportable, but we want to keep you informed.

Very truly yours,

David R. Shoemaker

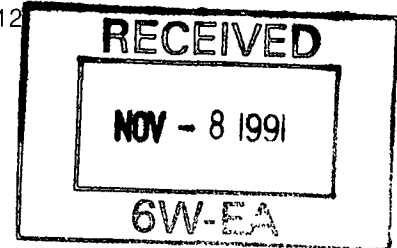
David R. Shoemaker
Mine Manager

cc: T. Thomas

1 - Permit/CD
2 - AO & AO mail
3 - DMR's
4 - Via. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL ⁷⁶
MOLYCORP



AD
November 6, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of October 1991,
Permit No. NM0022306, Outfalls 001 and 002. Please be
advised that no outflow occurred in Outfall 001 for the
entire month.

Sincerely yours,

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM ED Program Manager
File

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

ENVIRONMENTAL WATER ANALYSIS

HANDBOOK

MOLYCORP, INC.

QUESTA DIVISION

By: John Stribling

May - 1984

COLORIMETRIC DETERMINATION OF MOLYBDENUM

I. Scope and Application:

This method is applicable to drinking and surface waters and industrial and domestic wastes. Molybdenum may also be analyzed on ore samples with the proper acid decomposition.

This determination should be performed on all weekly, monthly and quarterly samples.

II. Apparatus:

1. Spectrophotometer: Any spectrophotometer will do as long as the wavelengths of 468 and 520 Nm (visible range) may be used.

Beckman models 24 and 34 are available in this laboratory. Before using, allow a warm-up time of 15 minutes. Keep instrument and especially sample compartment clean and free from all dust, solvents or reagents.

2. Cells: Cells used in this determination are matched and should be kept in pairs. Unmatched pairs of cells used together might give erroneous results. Cells should be kept clean and free from scratches and fingerprints.

III. Sample Handling and Preservation:

Volume required: 50 mls

Container: Plastic, glass

Preservative: 5 mls HNO_3

Holding Time: 6 hours

Before using or inserting into cell holder, make sure cells are dry. Cells should always be rinsed with deionized water between analyses. Always rinse cells with a small amount of the sample to be used before filling cell.

IV. Reagents:

1. 1000 ppm Mo standard solution: Dissolve 1.500 gm of pure molybdenum trioxide (MoO_3) in a minimum amount of 50% ammonium hydroxide and dilute to one liter with deionized water.
2. 1 ppm stock solution: Dilute 1 ml. standard solution to one liter with deionized water.

Reagents cont.:

3. Working standards:

- a. The following standards should be used when using the wavelengths 468: 0.03, 0.05, 0.07, 0.1, 0.2, 0.3 and 0.5 ppm.
- b. The following standards should be used when using the wavelengths 520: 0.5, 1.0, 2.0 and 2.5 ppm.

4. Ferric chloride solution: Dissolve 35 gms of ferric ammonium sulfate in a 6 lb. bottle of concentrated hydrochloric acid.

5. Butyl Carbitol: Diethylene glycol mono-butyl ether.

6. Thiocyanate Solution: 10% KCNS in distilled H₂O.

7. Stannous chloride solution: Add 112 gms SnCl₂·2H₂O to 100 ml concentrated HCL. Heat mixture until all stannous chloride is dissolved and solution is clear. Dilute to one liter with water.

V. Procedure:

1. Prepare the sample as follows:

- a. Use 50 mls digested sample from the 100 ml sample prepared for atomic absorption.
- b. Transfer 50 mls of the digested sample into a 100 ml volumetric flask.
- c. Color development: Add the following reagents:
 1. 10 ml of ferric chloride solution
 2. 20 ml butyl carbitol - mix well
 3. 10 ml potassium thiocyanate KCNS - mix well for ½ min.
 4. 7 ml of stannous chloride SnCl₂ - mix well.
- d. Dilute to 100 ml with distilled water and shake well.
- e. Allow to stand for 30 minutes.
- f. Read percent absorbance at 468 or 520 Nm. Use 468 for concentrations of 0.03 - 0.5 ppm. For concentrations of 0.5 - 2.5 ppm use a 520 Nm wavelength.
- g. Prepare a calibration curve by transferring standards into a 100 ml volumetric flask. Proceed to step C for color development.
- h. Prepare a blank by preparing a solution of reagents and deionized water. No molybdenum.

Procedure cont.:

2. Instrument operation:

- a. Turn machine on by depressing the POWER push button. Allow 30 minutes for warm up.
- b. For operation in the visible range (340 to 700 Nm). Place the source selector in the VISIBLE position.
- c. Place mode in DB position.
- d. Rotate wavelength adjust knob until desired wavelength is indicated by WAVELENGTH indicator.
- e. Place slit program selector in NORMAL position.
- f. Fill reference and sample cells with blank.
- g. Seat cells in proper cell holders in sample compartment.
- h. Close sample compartment cover.
- i. Depress ABS push button.
- j. Adjust BASELINE ADJUST control until digital display reads zero (0.000).
- k. Discard blank solution in sample cell. Leave reference cell in place.
- l. Rinse cell with sample, discard rinsate. Refill cell with sample and replace cell in cell holder, seating cell in the same orientation as the preceding step when zero absorbance was established. Fingerprints should be wiped off outside of cell.
- m. Close sample compartment cover.
- n. Read absorbance value on digital display.

VI. Quality Control

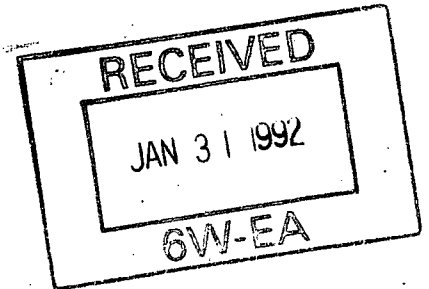
1. A quality control performance sample should be run on a quarterly basis.
2. In 10% of the samples run, duplicate analyses should be performed.

Molycorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone (505) 586-0212

UNOCAL 76

MOLYCORP

January 28, 1992



Mr. Nelson Smith
Environmental Engineer
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

RE: EPA January 14, 1992, Inspection
NPDES Permit No. NM0022306

Dear Mr. Smith:

Attached is a memo from Fred Martinez on the Corrective Actions taken to correct the January 14 deficiencies. Also attached is the Notice of Deficiency and the last three flow meter calibrations for 002. If you have any questions, please call me at (505) 586-7601.

Sincerely,

David R. Shoemaker
Mine Manager

DRS:em

Attachments

cc: T. Thomas

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - C-43
Date Filed
Clerk's Ints.

UNOCAL 

MOLYCORP

January 27, 1992

TO : David R. Shoemaker

FROM: Fred Martinez 

EPA INSPECTION OF QUESTA
ENVIRONMENTAL LABORATORY
JANUARY 14, 1992

Attached to this memo are the Corrective Actions taken to correct noted deficiencies of EPA inspection of January 14, 1992. Corrective Actions taken should insure full compliance with our NPDES Permit.

**MOLYCORP, INC.
QUESTA DIVISION**

NOTED DEFICIENCIES

INSPECTOR NOTED THAT PH MEASUREMENTS WERE NOT IMMEDIATELY ANALYZED OR WITHIN AT LEAST 15 MINUTES OF SAMPLE COLLECTION. GRAB SAMPLE AS PERMIT REQUIRES WERE NOT USED FOR THE PH ANALYSES RATHER THE COMPOSITE SAMPLE WAS USED FOR ANALYSES.

CORRECTIVE ACTION: PH READINGS WILL BE CONDUCTED ON SITE ON GRAB SAMPLE AS PERMIT REQUIRES, OR BRING SAMPLE TO LABORATORY AND ANALYZE WITHIN 15 MINUTES OF SAMPLE COLLECTION. WHEN FIELD MEASUREMENTS ARE PERFORMED PH METER WILL BE CALIBRATED ON SITE.

INSPECTOR NOTED THAT COMPOSITE SAMPLES WERE NOT FLOW PROPORTION ACCORDING TO FLOW METER READING OR STICK MEASUREMENTS.

CORRECTIVE ACTIONS: COMPOSITE SAMPLES WILL BE FLOW PROPORTION BY TAKING FLOW METER READINGS AT TIME OF COLLECTION. FLOW METER READINGS ARE IN GPM AND WILL BE CONVERTED TO (mL) AND COMPOSITE SAMPLE WILL BE PREPARED USING A GRADUATED CYLINDER.

INSPECTOR NOTED DURING SIMULATION OF ACTUAL ANALYSES FOR TOTAL SUSPENDED SOLIDS ANALYST DID NOT PRERINSE FILTER ACCORDING TO ACCEPTED METHOD OF ANALYSES.

CORRECTIVE ACTION: WILL COMPLETELY ADHERE TO METHOD OF ANALYSES. 2540 D STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTE WATER 17TH EDITION.

INSPECTOR NOTED ANALYST WAS NOT PRE DISTILLING SAMPLES FOR THE DETERMINATION OF FLUORIDE NOR HAD THE NECESSARY EQUIPMENT TO PERFORM DISTILLATIONS.

CORRECTIVE ACTION: DISTILLATION APPARATUS HAS BEEN ORDERED AND ANALYSES WILL BE PERFORMED ACCORDING TO METHOD 4500 F B STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTE WATER 17TH EDITION.

INSPECTOR NOTED THAT SAMPLE DIGESTIONS FOR TOTAL METAL ANALYSES WERE BEING DIGESTED WITH NITRIC ACID ONLY AND NOT USING A LESS VIGOROUS DIGESTION METHOD OF NITRIC AND HYDROCHLORIC ACID AS STATED IN SECTION 4.1.4 METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES 1979 AND 1983.

CORRECTIVE ACTION: WILL DIGEST SAMPLES ACCORDING TO METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTE SECTION 4.1.4 1979 AND 1983 AND METHOD 3111 B. STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTE WATER 17TH EDITION.

INSPECTOR NOTED PH METER TWO POINT CALIBRATIONS DID NOT BRACKET EXPECTED SAMPLE READINGS.

CORRECTIVE ACTION: WILL PERFORM REQUIRED POINTS OF CALIBRATIONS TO BRACKET READING OF SAMPLE.

INSPECTOR NOTED MOLYBDENUM CONCENTRATIONS WERE NOT BEING CALCULATED BY RESULTS OF STANDARD ANALYSES. ANALYST WAS USING A CALIBRATION FACTOR THAT WAS DATED, BUT RAW DATA OF CALIBRATION CURVE WAS NOT AVAILABLE.

CORRECTIVE ACTION; CALIBRATION STANDARDS WILL BE PREPARED AT ACTUAL TIME OF ANALYSIS AND RESULTS OF CALIBRATION STANDARDS WILL BE USED TO CALCULATE MOLYBDENUM CONCENTRATION.

Jan 92

002 Flow Conversion Chart
10 INCH Palmer-Bowlus Flume

$$Q = 2.96 H^{1.9} \text{ Ft}^3/\text{SEC} \quad H = \text{Head in feet}$$
$$Q = 2.96 * (H * \text{Reading} / 12)^{1.9} * (60 \text{ sec} / \text{min}) * (\text{Gals} / .1337 \text{ Ft}^3)$$

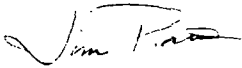
<u>Inches</u>	<u>Tenth of Inch</u>	<u>GPM</u>
1.0	.083	20.0
1.5	.125	25.6
2.0	.167	44.3
2.5	.208	65.7
3.0	.250	96.4
3.5	.292	133.5
4.0	.333	164.4
4.5	.375	206.0
5.0	.417	248.6
5.5	.458	287.9
6.0	.500	354.0
6.5	.542	426.9
7.0	.583	476.5
7.5	.625	543.9
8.0	.667	615.4
8.5	.708	676.8
9.0	.750	767.4
9.5	.792	852.9

<u>Stick Reading</u>	<u>Meter Reading</u>	<u>Stick Gallons</u>	<u>Meter Gallons</u>	<u>Read Date</u>	
1. <u>5.5</u>	<u>.445</u>	<u>287.9</u>	<u>285</u>	<u>2 Jan 92</u>	<i>Dub</i>
2. <u>5.5</u>	<u>.443</u>	<u>287.9</u>	<u>284</u>	<u>9 Jan 92</u>	<i>Dub</i>
3. <u>5.5</u>	<u>.440</u>	<u>287.9</u>	<u>284</u>	<u>16 Jan 92</u>	<i>TR</i>
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	

Mr. Jake A. Ortega
October 1, 1991
Page 2

If you have any questions, please contact Mr. Glenn Saums at
827-2827.

Sincerely,



Jim Piatt
Chief
Surface Water Quality Bureau

xc:

Rip Harwood, Esq., NMED Office of General Council
Richard Mitzelfelt, NMED District II Office
Ken McCallum, NMED Taos Field Office
Sammy Mitz, USEPA (6W-ET)



BRUCE KING
GOVERNOR

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

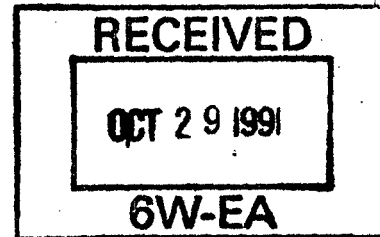
JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

Certified Mail Return Receipt Requested

October 25, 1991

Mr. Jake A. Ortega
P.O. Box 382
Questa, New Mexico 87556



AD
nm22306

Dear Mr. Ortega:

On October 24, 1991 Glenn Saums, Peter Monahan and I met with you at your property to inspect the clean-up of the tailings which spilled onto your land during the May 21, 1991 MolyCorp tailings pipeline failure. During our inspection we determined that your clean-up of the tailings on the property was adequate and complete. Since the conditions of my October 1, 1991 letter to you have been met, we will close the case in regard to the clean-up of your property. I wish to thank you for your attention to this problem.

During the inspection you expressed concern regarding the degraded quality of the Red River. In our discussion I mentioned the impairment of the designated uses for the River had been reported to Congress in the State's biennial report entitled **Water Quality and Water Pollution Control in New Mexico 1990**. The same concerns were also noted in the 1986 and 1988 versions of the same report. I have enclosed a copy of the 1990 report for your information and direct your attention to page 210, Appendix B, Table 2 for the specific notes on the Red River.

I appreciate the opportunity to meet with you and to discuss your concerns. If you have any questions please contact Glenn Saums of my staff at 827-2827.

Sincerely,

Jim Piatt

Jim Piatt
Chief
Surface Water Quality Bureau

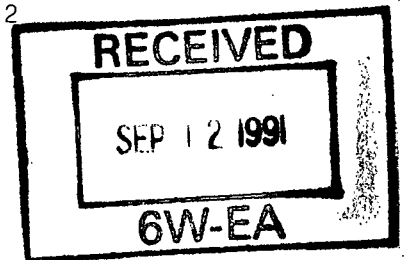
- 1 - Permit/CD
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- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

xc:

Rip Harwood, Esq., NMED Office of General Council
Richard Mitzelfelt, NMED District II Office
Ken McCallum, NMED Tacs Field Office
Sammy Mitz, USEPA (6W-ET)
David Shoemaker, MolyCorp Inc.

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL ⁷⁶
MOLYCORP



AD
September 9, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of August 1991,
Permit No. NM0022306, Outfalls 001 and 002. Please be
advised that no outflow occurred in Outfall 001 for the
entire month.

Sincerely yours,

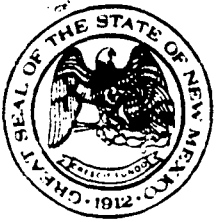
A handwritten signature in cursive script, appearing to read "David R. Shoemaker".

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM ED Program Manager
File

1 - Permit/CD
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Date Filed
Clerk's Inits.

AD
MS



State of New Mexico
ENVIRONMENT DEPARTMENT
 Harold Runnels Building
 1190 St. Francis Drive, P.O. Box 26110
 Santa Fe, New Mexico 87502
 (505) 827-2850

NM22306

JUDITH M. ESPINOSA
 SECRETARY

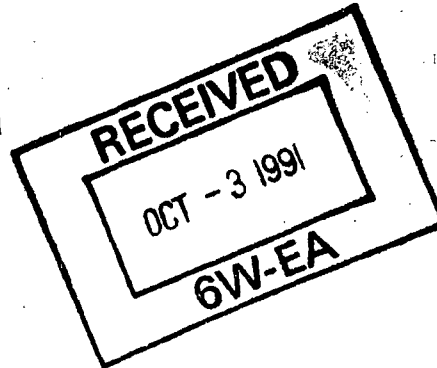
RON CURRY
 DEPUTY SECRETARY

BRUCE KING
 GOVERNOR

Certified Mail Return Receipt Requested

October 1, 1991

Mr. Jake A. Ortega
 P.O. Box 382
 Questa, New Mexico 87556



Dear Mr. Ortega:

On September 3, 1991 the Environment Department wrote to you stating the need for you to resolve the matter of cleaning up the spilled Molycorp tailings on your property. The Department gave you fourteen days from your receipt of the letter as a deadline. Since that time we have received a copy of your letter dated September 24, 1991 to Mr. David Shoemaker, Mine Manager for Molycorp, Inc. In your letter you stated that you would begin clean-up of the tailings no later than this week. You further stated that you expect to complete the clean-up in about four to five days.

The Department will not pursue this matter provided the clean-up proves to be satisfactory to the Department. While we do not expect this to be a problem, the following minimum conditions must be met prior to relieving you of responsibility for the tailings disposition.

1. removed tailings must be properly disposed;
2. the Department must be notified verbally or in writing when the clean-up is complete;
3. the Department must be allowed access to inspect the clean-up; and
4. the clean-up must be completed by October 15, 1991.

Molycorp has committed to take actions which will hopefully reduce, if not eliminate, the future occurrence of discharges such as the one which has effected your property. However, as a precautionary measure, the Department suggests you consider developing an agreement with Molycorp outlining procedures to expeditiously clean-up any future discharge. Such an agreement could help avoid the complications which have arisen in this case.

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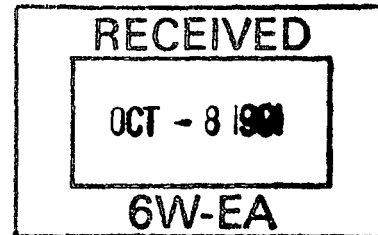
AD

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP October 2, 1991

Mr. Ernie Rebuck
Ground Water Section
New Mexico Environmental Department
1190 St. Francis Drive
Santa Fe, NM 87503



Dear Mr. Rebuck:

The six monitoring wells which Molycorp and NM ED agreed upon located in the two tailings sump areas have been sampled in September 1991 as per the semi-annual sampling agreement. All wells were sampled except for US-2 which did not have enough water for sampling. Molycorp's analytical laboratory completed the water analyses. The analytical data indicate that the water chemistry is within NM Water Quality Standards. The following summarizes the monitoring well results:

Upper Sump Area

Well	Depth (ft.)	pH	TDS	SO ₄	Mo
US-1	38	6.5	127	21	<.03
US-2	28.5	Not Sampled Because No Water			
US-3	27	6.6	127	30	<.03

Lower Sump Area

Well	Depth (ft.)	pH	TDS	SO ₄	Mo
LS-1	58	6.5	354	176	<.03
LS-2	25.75	6.4	343	181	<.03
LS-3	20	6.2	304	132	<.03

Should you have any questions please give me a call at (505) 586-7601.

Sincerely yours,

David R. Shoemaker
David R. Shoemaker
Mine Manager

cc: EPA Dallas, TX

1 - Permit/CD
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BRUCE KING
GOVERNOR

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

NM 22306

JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

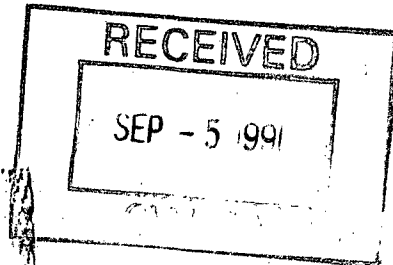
Certified Mail No. P438 039 247
Return Receipt Requested

September 3, 1991

Mr. Jake A. Ortega
P.O. Box 382
Questa, New Mexico 87556

Dear Mr. Ortega:

- 1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.



On May 21 of this year a tailings line serving the Molycorp mill broke and discharged mill tailings into an acequia and onto adjacent land including land which you either own or control. The New Mexico Environment Department has held Molycorp Inc. responsible for prompt clean-up of the tailings and required them to mitigate any damage which resulted from the discharge. The Department has kept close track of Molycorp's efforts to clean-up and to properly dispose of the tailings.

You have denied Molycorp access to your property. In so doing you have prevented the expeditious completion of Molycorp's clean-up effort. The Department is aware of Molycorp's efforts to reach an agreement to gain access to your property and perform the necessary cleaning/restoration.

The Department had hoped you and Molycorp officials would be able to come to agreement in order to finalize the tailings clean-up. It is now more than three months since the discharge occurred and the only impacted area which remains to be taken care of is your property.

This letter is to advise you that the Department will consider you to have adopted the material remaining on your land and will hold you responsible for the complete clean-up and/or proper disposition of this material if you do not resolve this matter with Molycorp within 14 days of your receipt of this letter.

If you allow tailings to remain on your property, you will be required under Section 1-201 of the New Mexico Water Quality Control Commission (WQCC) Regulations (copy enclosed) to file a notice of intent to discharge since tailings application to the soil would be considered a potential discharge to the ground water. If you remove the tailings, a notice of intent to discharge would have to be filed for the disposal site if it were to be disposed some place other than the Molycorp tailings disposal site. The Department would then evaluate the information in the notice and determine if you would be required to obtain a ground water discharge plan pursuant to Part 3 of the WQCC Regulations. Failure to comply with these requirements could result in legal liability including monetary fines.

Mr. Jake A. Ortega
September 3, 1991
Page Two

In closing, I encourage you to address this matter promptly. By copy of this letter I am referring this case to the Department's Office of General Counsel for their action if it becomes necessary. If you have any questions on this matter feel free to call Mr. Glenn Saums of my staff at 827-2933.

Sincerely,



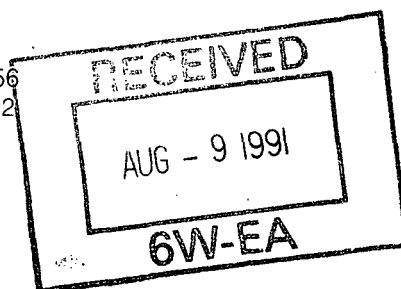
Jim Piatt
Chief
Surface Water Quality Bureau

Enclosure

xc: David Shoemaker, Mine Manager, Molycorp
Rip Harwood, Esq., NMED Office of General Counsel
Sammy Mitz, USEPA (6W-ET)
Richard Mitzelfelt, NMED District II
Kenneth McCallum, NMED, Taos Field Office
Steve Cary, NMED, Ground Water/Toxic Sites Bureau

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL ⁷⁶
MOLYCORP



AD
August 7, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of July 1991,
Permit No. NM0022306, Outfalls 001 and 002. Please be
advised that no outflow occurred in Outfall 001 for the
entire month.

Sincerely yours,

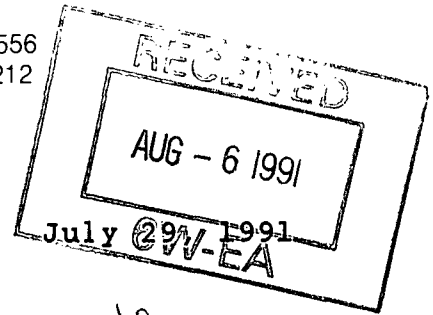
David R. Shoemaker
David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM ED Program Manager
File

1 - Permit/CD
2 - AO & AO matl
3 - IR's
4 - Vol. Sum. Log
5 - DCR
6 - Correspondence
7 - RAS
8 - Date Filed
9 - Clerk's Inits.

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL ⁷⁶
MOLYCORP



1
AD
NM 22306

Mr. Ernie Rebuck
Ground Water Section
New Mexico Environmental Department
1190 St. Francis Drive
Santa Fe, NM 87503

Dear Mr. Rebuck:

The six monitoring wells which Molycorp and NM ED agreed upon located in the two tailings sump areas have been sampled in July 1991. All wells were sampled except for US-2 which did not have enough water for sampling. The ground water table must have lowered significantly for this well had an estimated 30 G.P.M. flow when it was drilled in March 1991. Molycorp's analytical laboratory completed the water analyses. The analytical data indicate that the water chemistry is within NM Water Quality Standards. The following summarizes the monitoring well results:

Upper Sump Area

Well	Depth (ft.)	pH	TDS	SO ₄	Mo
US-1	38	6.9	163	38	<.03
US-2	28.5	Not Sampled Because No Water			
US-3	27	7.0	159	43	<.03

Lower Sump Area

Well	Depth (ft.)	pH	TDS	SO ₄	Mo
LS-1	58	6.6	394	161	<.03
LS-2	25.75	6.5	331	198	<.03
LS-3	20	6.4	326	147	<.03

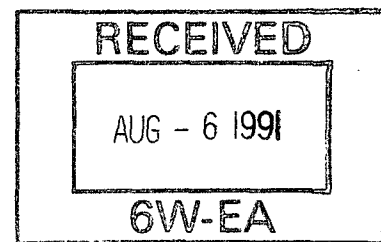
- ____ 1 - Permit/CD
- ____ 2 - AO & AO matl
- ____ 3 - DMR's
- ____ 4 - Vio. Sum. Log
- ____ 5 - NCR
- ____ 6 - Correspondence
- ____ 7 - CRAS
- ____ Date Filed
- ____ Clerk's Inits.

Should you have any questions please give me a call at (505) 586-7601.

Sincerely yours,

David R. Shoemaker
David R. Shoemaker
Mine Manager

cc: EPA Dallas, TX



RESULTS OF ANALYSES

SAMPLE#	SAMPLE TYPE	DATE/TIME Collected	PH UNITS	MO	TDS	SO ₄
US-1	WATER	7/18/91 4:00 PM	6.9	<.03	163	38
US-3	WATER	7/18/91 3:40 PM	7.0	<.03	159	43
LS-1	WATER	7/18/91 1:15 PM	6.6	<.03	394	161
LS-2	WATER	7/18/91 2:26 PM	6.5	<.03	331	198
LS-3	WATER	7/18/91 2:10 PM	6.4	<.03	326	147

RESULTS OF ANALYSIS IN PPM EXCEPT WHERE NOTED

LESS THAN SYMBOLS INDICATES DETECTION LIMITS OR NO PRESENCE OF THE ANALYTE:



Date 7/23/91

To Bradley Crawford

Building/Room US EPA

- | | |
|---|--|
| <input type="checkbox"/> For Your Attention | <input type="checkbox"/> For Your Recommendation |
| <input type="checkbox"/> For Your Information | <input type="checkbox"/> For Your Approval |
| <input type="checkbox"/> Please Comment | <input type="checkbox"/> Please Return |
| <input type="checkbox"/> Please See Me | <input type="checkbox"/> Please File |
| <input type="checkbox"/> Please Handle | <input type="checkbox"/> Please Mail |
| <input type="checkbox"/> Approved | <input type="checkbox"/> As Requested |

☐ Telephone Call: Number _____ Time Called _____

MESSAGE _____

From Glenne Dams

Building/Room NM E D - Surface Water Sec.
ADM 030 Issued 5/78

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

UNOCAL 76

RECEIVED
MOLYCORP

JUL 25 1991

July 19, 1991

6W-FA

RECEIVED

JUL 22 1991

SURFACE WATER
QUALITY BUREAU

Mr. Jim Piatt
Bureau Chief
Surface Water Quality Bureau
State of New Mexico
Environment Department
1190 St. Francis Drive
Santa Fe, NM 87502

Dear Mr. Piatt:

The following letter addresses questions asked in State of New Mexico Environment Department's letter of July 2, 1991, and clarified by your Glenn Saums during his July 10, 1991, visit to our Questa facility. Questions pertain to Molycorp's Corrective Action/Spill Report of June 3, 1991.

Paragraph 1.0 Questions:

Results of NM State Police Investigation: No evidence proving or disproving the supposition that the system was tampered with. State Police report will be forwarded to your office as soon as Molycorp obtains a copy.

Results of Molycorp Investigation: Same as above.

Unique Spill: Is not a normal failure mode in that pipe restraint was totally destroyed.

Preventing Recurrence: See Molycorp June, 19, 1991, letter to EPA's Adolphus Talton under "Corrective Action", Item 1. Letter attached.

Paragraph 2.0 Questions:

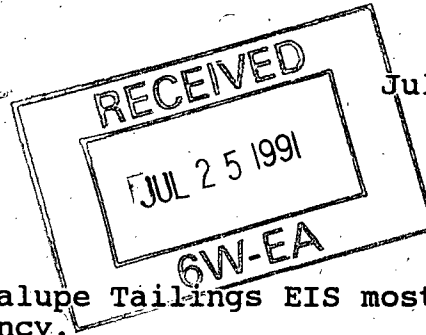
Other Line Dumping Possibilities: Shift foreman, after initiating line dumping procedures, dumped upper portion of line into upper dump sump SW 1/4, Sec. 2.

Other Feasible Modifications: Upper and lower dump sumps adequate, but geography and property restraints make other large sumps impractical.

Mr. Jim Piatt

-2-

July 19, 1991



Paragraph 3.0 Question:

Tails Chemical Analysis: Guadalupe Tailings EIS most recent analysis of total chemical constituency.

Paragraph 4.0 Questions:

Jake Ortega Property: Permission not granted as of this date. Copy of certified letter mailed to Jake Ortega enclosed along with proof of receipt.

Tails Cleanup Standard of Performance: Visual inspection after removal of all tails sand as is practical; i.e., don't destroy major vegetation in order to remove small amounts of material.

Other Corrective Actions: See MolyCorp June 19, 1991, letter to EPA's Adolphus Talton under "Corrective Action", Items 2, 3, 4, 5, 6, 7.

Should you have any further questions or require further information, please call the writer at (505) 586-7601.

Sincerely yours,

David R. Shoemaker
Mine Manager

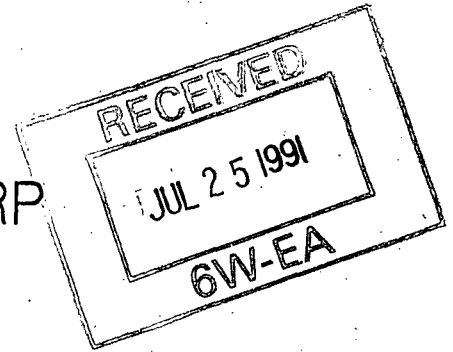
Enclosures

1. 6/19/91 to EPA
2. 6/14/91 to J. Ortega

Cc: T. Thomas, w/atts
R. Ferland, w/atts

UNOCAL

MOLYCORP



June 19, 1991

CERTIFIED MAIL

Mr. Adolphus Talton
11W-EAT)
U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

RE: Administrative Order Docket No. VI-91-1080
NPDES Permit No. NM 0022306

Dear Sir:

Pursuant to Paragraph A of the above-captioned Order, Molycorp, Inc., hereby submits a letter detailing the corrective action to be taken to reduce the possibility of allegedly non-complying discharges due to tails line breaks or leaks as ordered in the referenced Administrative Order.

Tails Line Operating Background:

Tails are hydraulically transported from the mill to the Questa tails disposal area through a 44,600 foot long pipeline system.

Since the 1965 mill start-up, numerous changes have been made to the initial two 10-inch, unlined pipeline system to enable the system to better cope with the mechanical problems encountered as mill throughput has been increased. Increasing line throughput without increasing system size increases the line velocity, which increases unlined pipe wall wear exponentially. Conversely, too low a line velocity means line sanding and/or plugging.

Presently there is a three line system, the first 28,500 feet consists of 14-inch, rubber-lined pipe and the remaining 16,100 feet of the system is made up of 12-inch, unlined pipe. The rubber-lined portion of this system is very wear resistant, but matching it hydraulically to the unlined section has been operationally difficult. Depending on the mill tonnage rate, it is possible to drop below the critical or sanding line velocity in the rubber-lined pipe while staying above this critical velocity in the unlined pipe. For this reason, the three line system is currently being operated with two

lines handling the bulk of the tails and the third line being used as a cleanup line for removal of tails that accumulate in the large mill surge sump. Operation of the No. 1 line on May 21, 1991, in this manner could have created a temporary sand plug that, with the accompanying pressure surge, separated the line at a sleeve type coupling. However, tampering with the line by outside parties hasn't been completely ruled out as a potential cause of the break.

At higher mill tonnage rates, when operating with the two line concept, line velocities in the unlined portion of the system increase dramatically. This increase in line velocity has accelerated the pipe wall wear rate substantially when compared to pre-1983 wear rates.

Corrective Action:

The following program has been initiated in an attempt to eliminate line failures. It should be noted that parts of this program were in place or being evaluated prior to May 21, 1991. The technology being used is the best available for this use.

1. Operate a two line system only with cleanup of residual sand from the main mill surge sump being handled by the same two lines through existing interconnecting valving between the main surge sump and individual tails line pump sumps; and/or with a submersible pump installed in the main sump to pump slurry to the pump sumps. These operating parameters will make it easier to control line density and eliminate air surges in the pipelines.
2. Remove the rubber-lined section from the third line and install it in the two remaining lines. This would extend rubber-lined protection to a point safely inside the tails disposal area. Depending on future milling requirements, the third line could be reinstalled at a later date, but the line would be 100% rubber-lined. The rubber-lined pipe addition would eliminate the sleeve-type Dresser coupling which doesn't have a positive engaging mechanism like the Victaulic groove couplings used on the 14-inch rubber-line pipe. Although Dresser type couplings will be used for expansion joints they will have 16-inch long sleeves as compared to the 7-inch long sleeves used on the 12-inch unlined pipe. Restraining brackets are used in conjunction with the sleeve couplings to restrict outward or pull-apart forces on the joints. Additional pipeline restraints will also be installed as the rubber-lined pipe is laid down in the remaining two lines.
3. Add two additional pressure measurement stations, for a total of three in each tails line, and dedicate a CRT solely to monitor and view the tails line operating functions and parameters. This will increase the speed at which mill operators react to line problems.
4. Continue gauging wall thickness on any unlined pipe until all unlined pipe is removed from the system to the 44,600 feet station.
5. Add seven more watchman checkpoints to the existing seven along the complete tails line right-of-way.
6. Continue 24-hour tails patrol coverage when tails are in the lines.
7. Train operators on main surge sump emptying procedures.

Time Schedule:

ITEM

COMPLETION DATE

- | | |
|--|----------|
| 1. Two tails line operation only | Existing |
| 1.A. Install submersible pump in main sump | Existing |
| 2. Install third line, rubber-lined pipe in two lines: | |
| a. Station 28,500' to 38,800' | 10-15-91 |
| b. Station 38,800' to 40,000' | Existing |
| c. Station 40,000' to 44,600' | 3-15-92 |
| 3. Expand instrumentation | |
| a. Installation | 10-1-91 |
| b. Test | 12-1-91 |
| c. Operational | 1-2-92 |
| 4. Unlined pipe gauging | Existing |
| 5. Add watchman checkpoints | Existing |
| 6. 24-hour patrol coverage | Existing |
| 7. Operator training | Existing |

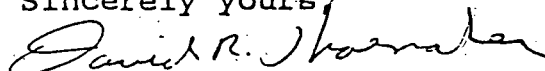
Concluding Remarks:

Extent of the tails spill, cleanup and chemical analysis of tailings are covered in Molycorp letter to NM EID, dated June 3, 1991 (not attached).

In summary, tails were 98% removed from the irrigation ditch that contained the bulk of the spill and water reintroduced back into the ditch by the evening of June 2, 1991. Final property and ditch cleanup was essentially completed by June 6, 1991, except for one property where access was denied (0.14 acres). Re-seeding of affected area will be scheduled with property owners. At the time of the line break, the Red River was flowing at approximately 580 CFS (at flood stage). Thus, there was absolutely no damage to the river environment at the point where a small amount of tails entered the river.

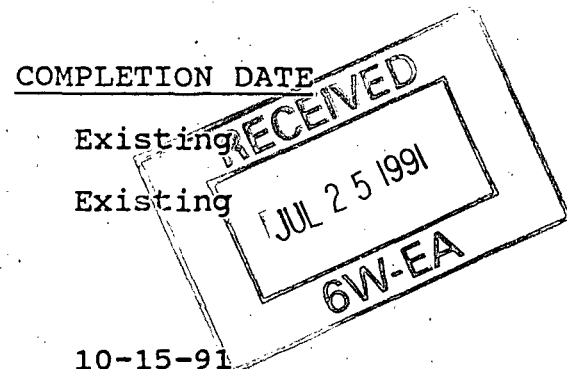
Should you have any further questions or require further information, please call the writer at (505) 586-7601.

Sincerely yours,



David R. Shoemaker
Mine Manager

cc: Roger K. Ferland
Timothy R. Thomas

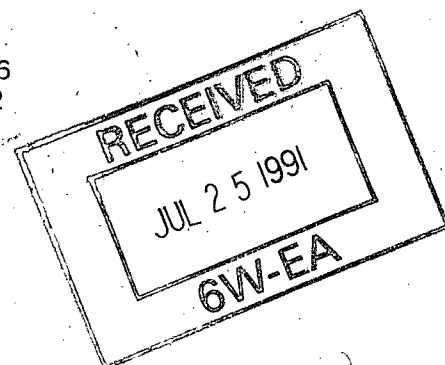


Molycorp, Inc.

Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNITED
MOLYCORP

June 14, 1991



Mr. Jake A. Ortega
P.O. Box 382
Questa, NM 87556

Dear Mr. Ortega:

On the assumption that you are either the legal owner of record of a particular piece of property on which tailings from our May 21, 1991, spill entered, or you have been legally granted power-of-attorney by the legal owner to negotiate this matter on his behalf, I confirm the offer I made to you on the telephone on Wednesday, June 12, 1991. As you will read below, I have amended my initial offer slightly.

To restate, it is our belief that approximately 14% (1/7) of one acre of the property was affected by tailings. The tailings material is inert, non-toxic and non-hazardous. We will remove all tailings from the property by hand shoveling and with wheel barrows. No heavy equipment will be used on the property. Any damaged fruit trees will be replaced. We will give you a company check in the amount of Fifteen Hundred Dollars (\$1,500.00) for any inconvenience we may have caused you, and we will also seed your property in the seed species of your choice.

We believe this is a reasonable offer based on the affected area, and it is made in the spirit of cooperation and good will.

A prompt reply will be appreciated. Please call me if you have any questions or if you require any clarification.

Very truly yours,

David R. Shoemaker
Mine Manager

DRS:emh



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

July 18, 1991

Mr. Curt R. Serviss, Jr.
Molycorp, Inc.
Questa Division
P.O. box 469
Questa, New Mexico 87556

RE: NPDES Permit No. NM0022306

☒ 1 - Permit/CD
☐ 2 - AO & AO matl
☐ 3 - DMR's
☐ 4 - Vio. Sum. Log
☐ 5 - NCR
☒ 6 - Correspondence
☐ 7 - CRAS
☐ Date Filed
☐ Clerk's Inits.

Dear Mr. Serviss:

This letter is in response to your conversation with Maria Martinez, of my staff. Questions raised during that conversation were: 1) the cessation of toxicity testing of Outfall 002 effluent, and 2) the outstanding biomonitoring requirements for Outfall 001.

After review of the biomonitoring results submitted, the Agency recommends the following actions. Biomonitoring requirements for Outfall 002 have been fulfilled according to your permit requirements. Therefore, no additional biomonitoring for this outfall is required. Secondly, Molycorp, Inc. must conduct two more quarterly tests using effluent from Outfall 001, using the same effluent dilutions required for the combined effluent sampling for Outfall 001 & Outfall 002 as described in the permit. It is our understanding that there might not be any discharge from Outfall 001 during all of 1991, however, these tests will be conducted the next two quarters during which effluent is discharged from Outfall 001 and must be fulfilled as required by the permit.

All other permit requirements remain in effect as described in NPDES No. NM0022306. If you have further questions or comments please contact, Maria Martinez at (214) 655-7175.

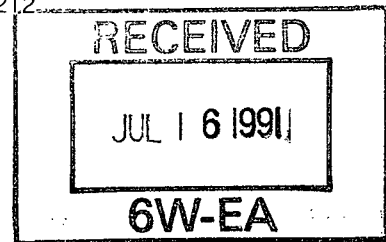
Sincerely yours,

Robert L. Vickery
Acting Section Chief
Toxics Control Section

bcc: Talton (6W-EAT)
Mitz (6W-E)
Desk File (6W-PT) 07/17/91: Martinez:mlycrplt:gerardoseries
Permit File (NPDES No. NM0022306)

AD
Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL
MOLYCORP



July 11, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of June 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

During the month of April duplicate sets of new DMR reporting forms were received. The new forms include the following:

Discharge Number 002 A - Seepage Tailings Impoundment
one set: 91/04 thru 92/04
second set: 91/05 thru 92/03

Discharge Number SUM A - Sum Total For 001 & 002
one set: 91/04 thru 92/04
second set: 91/05 thru 92/03

Molycorp, Inc. - Questa Division is presently required to report on the following DMR's:

Discharge Number 002 A - Seepage Tailings Impoundment
Discharge Number 001 A - Final Process Water
Sum Total for 001 & 002
Flow Weighted Composite 001 & 002

The revised DMR forms did not include Discharge Number 001 A or Flow Weighted Composite 001 & 002. Discharge Number 001 A DMR forms have been supplied by EPA in the past, whereas the Flow Weighted Composite 001 & 002 DMR forms have never been supplied. Molycorp has been required to zerox and modify a Seepage Tailings Impoundment (002 A) or Final Process Water (001 A). Because no revised Final Process (001 A) DMR or new Flow Weighted Composite 001 & 002 DMR's have been supplied, the old Final Process and a modified zerox copy for Flow

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Weighted Composite 001 & 002 are still being utilized for the NPDES reporting. This problem was discussed and advisement was requested in my letter dated May 9, 1991 which accompanied the April 1991 DMR forms. For future reporting, please advise on the use of DMR reporting forms. Your assistance in this matter is appreciated.

Sincerely yours,

A handwritten signature in black ink, appearing to read "David R. Shoemaker", written in a cursive style.

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM EID Program Manager
File

July 3, 1991

MEMORANDUM

TO: Permit File

FROM: Maria Martinez (6W-PT)

RE: Molycorp, Inc. NPDES No. NM0022306

Spoke with Mr. Curt Serviss (Molycorp, Inc.) about the biomonitoring requirements Permit No. NM0022306. The following is a listing of the submitted reports up to date:

1st Quarter 1990: Test date 11/28/89, Outfall 002 effluent only used recieving water

Ceriodaphnia - ambient toxicity
Fathead - pass

2nd Quarter 1990: Test date 03/13/90, Outfall 002 effluent only started using synethetic water

Ceriodaphnia - pass
Fathead - pass

3rd Quarter 1990: Test date 09/11/90, Outfall 002 effluent only

Ceriodaphnia - pass
Fathead - pass

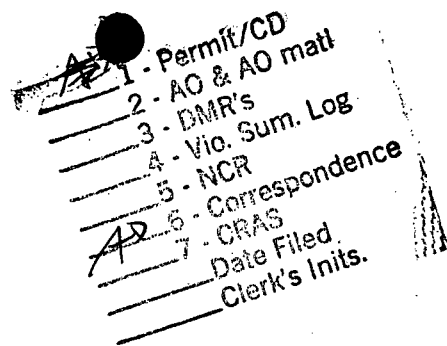
4th Quarter 1990: Test date 12/11/90, Outfall 002 effluent only

Ceriodaphnia - pass
Fathead - pass

1st Quarter 1991: Test date 03/12/91, Outfall 002 effluent only

Ceriodaphnia - pass
Fathead - pass

The above results were reviewed based on information provided by the permit file and Fred Humke (6W-PI). Fred Humke assisted Partricia Rocchio in drafting this permit. The low-flow considered for Outfall 002 discharge alone was 2.8% and the half low-flow was 5.5%.



Permittee must still conduct the following biomonitoring tests to fulfill the permit requirements:

Must conduct 2 more quarterly tests using effluent from Outfall 001. The permittee will use the same effluent dilutions required for the combined effluent sampling for Outfall 001 & 002 as described in the permit. It is our understanding that there might not be any discharge from Outfall 001 during all of 1991, however, these tests will be conducted with the next two available quarters during which effluent is discharged from Outfall 001 and must be fulfilled as required by the permit. The decision to use effluent from only Outfall 001 was a mutual decision between Maria Martinez and Bob Vickery (6W-PT) and Mr. Cerviss (Molycorp). This decision was based on the premise that there was sufficient data on Outfall 002.

bcc: Talton (6W-EAT)
Mitz (6W-E)
Desk File (6W-PT)



BRUCE KING
GOVERNOR

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

JUDITH M. ESPINOSA
SECRETARY

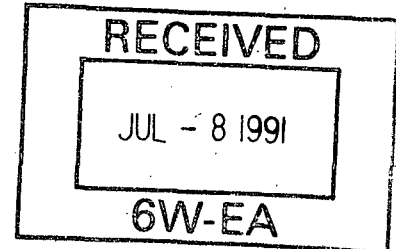
RON CURRY
DEPUTY SECRETARY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 2, 1991

Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc. Questa Division
P. O. Box 469
Questa, New Mexico 87556

AD
nm 22306



SUBJECT: Molycorp Correction Action Report - May 21, 1991
Tailings Spill

Dear Mr. Shoemaker:

The Environment Department, Surface Water Quality Bureau, is in receipt of your June 3, 1991 corrective action/spill report for the referenced spill. Pursuant to Section 1-203 A.7, that corrective action report is hereby disapproved. In order to approve a corrective action report the following items will need to be addressed within 15 days of your receipt of this letter:

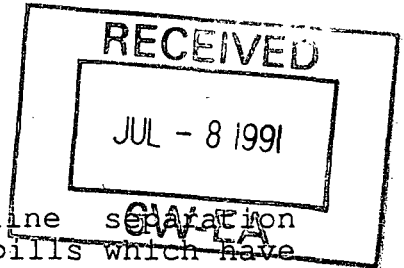
1. In your conversation with my staff during recent inspections and on page 2 of your spill report you have indicated that this spill was unusual in that it occurred as pipeline joint separation vis-a-vis bursting due to excess wear of the pipe wall. Consequently, Molycorp reviewed mill sump cleaning and pipeline operation procedures as well as requesting investigation by the State Police, presumably to determine the possibility of sabotage. You also indicated "mine personnel are still examining the shattered and broken concrete saddle ... because catastrophic failure of a thrust block has never before occurred." Brief review of our file indicates that pipe separation has occurred in the past. Specifically spills on January 22, 1981, September 2, 1978, and May 10, 1977 involved pipeline separation.

Question: What are the results/findings of the State Police investigation and the Molycorp investigation regarding the thrust blocks?

Question: After review of sump cleaning/pipeline operational procedures, what operational changes were made, if any, to prevent reoccurrence? If no changes were made please explain.

- _____ 1 - Permit/CD
- _____ 2 - AO & AO matl
- _____ 3 - DMR's
- _____ 4 - Vio. Sum. Log
- _____ 5 - NCR
- _____ 6 - Correspondence
- _____ 7 - CRAS
- _____ Date Filed
- _____ Clerk's Inits.

Mr. David R. Shoemaker
July 2, 1991
Page 2



Question: While we understand that pipeline separation constitutes a reason for only a fraction of the spills which have occurred over many years, was this spill unique? Even if this is an uncommon occurrence, what is being done to prevent it in the future? This is of concern since most preventative measures (e.g. rubber lined pipe and pipe wall gauging) have been directed at the more common cause of spills (i.e., pipe wear).

2. In your letter dated June 3, 1991 it was stated that "[t]he mill operator responded immediately by having the feed shut off to the line and instructed the tailings line patrolman to dump the line below the break into the tailings dump sump" (emphasis added).

Question: Would it have been possible to dump the line in an environmentally protective manner above the break as well to minimize the amount of tailings draining from the separated joint? If not, are there feasible modifications which could be made to allow for this in the future?

3. Thank you for the chemical data on the tailings composition which you provided. I note the sample was analyzed using the Toxicity Characteristic Leaching Procedure.

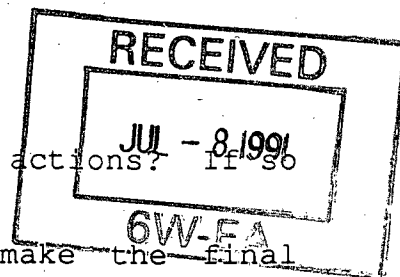
Question: Does Molycorp have chemical analysis of "total" chemical constituency which are more recent than those found in the 1988 draft **Molycorp Guadalupe Mountain Tailings Disposal Facility Environment Impact Statement** (Table 1-2)? If so, please provide a copy.

4. As of our last inspection on June 17, 1991, the majority of the spill had been cleaned up by Molycorp and its contractors. However, certain areas which were discussed during the inspection still needed to be cleaned. These include, but are not limited to, the Jake Ortega property for which Molycorp was still negotiating permission to enter in order to clean.

The June 3, 1991 corrective action report does not contain specific information regarding Molycorp's intended standard of performance for the clean-up of the spilled tailings. Our interpretation of the letter is that Molycorp intends to clean the spilled tails as thoroughly as possible and performance will be "measured" by visible inspection (i.e., cleaned until no visible trace remains).

Question: Is this the correct interpretation? If not please specify Molycorp's intended standard of performance for the clean-up.

Mr. David R. Shoemaker
July 2, 1991
Page 3



Question: Does Molycorp plan any other corrective actions? If so please explain.

The Department hereby reserves the right to make the final approval (or disapproval) of the corrective action report, upon receipt of your response to this letter, contingent upon a final inspection of the entire cleanup.

On May 30, 1991, SWQB staff collected samples of the tailings for chemical analysis. Enclosed for your information are the results of the laboratory analysis.

If you have any questions, please contact Glenn Saums of my staff at 827-2827.

Sincerely,

Jim Piatt
Bureau Chief
Surface Water Quality Bureau

GES:cj

Enclosure

cc: Brad Crawford, US EPA (6W-ET)
Rip Harwood, ED OGC
Ernest Rebuck, ED GWB

SCIENTIFIC LABORATORY DIVISIONP.O. Box 4700
Albuquerque, NM 87196-4700700 Camino de Salud, NE
(505) 841-2500

AIR & HEAVY METALS SECTION (505) 341-2553

July 1, 1991

Requested Priority 2
ID No. 011501**ANALYTICAL REPORT**
SLD Accession No. HM-91-0488**Distribution**☐ User 85930
☒ Submitter 81
☒ SLD File**To:** Glenn Saums
ED - Surface Water Program
ED Surface Water Bureau
1190 St. Francis Drive
Santa Fe, NM 87503**From:** Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106**Re:** A water sample submitted to this laboratory on May 31, 1991**User:**ED Surface Water Section
ED Surface Water Quality Bur.
1190 St. Francis Drive
Santa Fe, NM 87503**RECEIVED**

JUL - 8 1991

6W-EA

DEMOGRAPHIC DATA

<u>COLLECTION</u>	<u>LOCATION</u>
On: 30-May-91 By: Mon . . .	Mine Tailings Pipe
At: 13:54 hrs. In/Near: Questa	

ANALYTICAL RESULTS

<u>Analysis</u>	<u>Value</u>	<u>Units</u>	<u>Analyst</u>
Arsenic	< 0.0100	mg/L	
Barium	0.6000	mg/L	
Cadmium	< 0.1000	mg/L	
Chromium	< 0.1000	mg/L	
Lead	< 0.1000	mg/L	
Mercury	< 0.0020	mg/L	
Selenium	< 0.0100	mg/L	
Silver	< 0.1000	mg/L	

Laboratory Remarks: EP Toxicity. Extract Digested.

35.53% solids.

Determinations by ICAP for all except arsenic, selenium and mercury. These three were analyzed by atomic absorption techniques.

Reviewed By: Jim F. Ashby 07/01/91
Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

Box 4700
Albuquerque, NM 87196-4700

700 Camino de Salud, NE
Albuquerque, NM 87106

AIR & HEAVY METALS SECTION (505)-841-2500

July 1, 1991

Requested Priority 2
ID No. 011500

ANALYTICAL REPORT

SLD Accession No. IC-91-0380

Distribution

☐ User 55920
☒ Submitter 91
☒ SLD Files

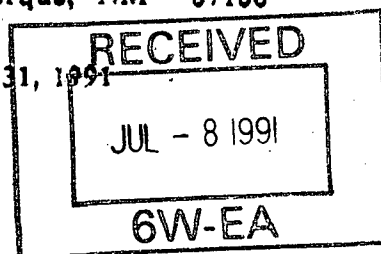
To: Glenn Saums
ED - Surface Water Program
ED Surface Water Bureau
1190 St. Francis Drive
Santa Fe, NM 87503

From: Air & Heavy Metals Section
Scientific Laboratory Div.
700 Camino de Salud, NE
Albuquerque, NM 87106

Re: A water, Pres/Nonfl sample submitted to this laboratory on May 31, 1991

User:

ED Surface Water Section
ED Surface Water Quality Bur.
1190 St. Francis Drive
Santa Fe, NM 87503



DEMOGRAPHIC DATA

COLLECTION		LOCATION
On: 30-May-91	By: Mon	Tailings Pond Pipe #
At: 13:54 hrs.	In/Near: Questa	

ANALYTICAL RESULTS in mg/L

Analysis	Value	Analysis	Value	Analysis	Value
Aluminum	5380.00	Cobalt	2.30	Nickel	9.50
Barium	38.00	Copper	70.00	Silicon	120.00
Beryllium	< 0.50	Iron	6250.00	Silver	< 0.50
Boron	< 0.50	Lead	< 0.50	Strontium	60.00
Cadmium	< 0.50	Magnesium	4000.00	Tin	0.90
Calcium	7870.00	Manganese	200.00	Vanadium	14.00
Chromium	16.00	Molybdenum	48.00	Zinc	34.00

Laboratory Remarks:

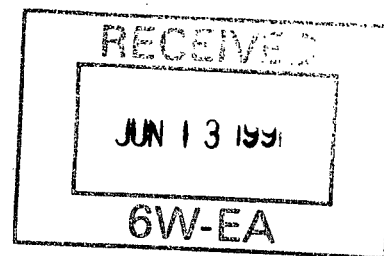
Digested.
Reported on "as received basis".
35.53% solids (based on the unacidified split, RM-488).
Lead is to be re-analyzed by flame AA. If the value changes,
a revised report will be submitted.

Reviewed By:

Jim F. Ashby 07/01/91
Supervisor, Air & Heavy Metals Section

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

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1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

June 10, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of May 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

During the month of April duplicate sets of new DMR reporting forms were received. The new forms include the following:

Discharge Number 002 A - Seepage Tailings Impoundment
one set: 91/04 thru 92/04
second set: 91/05 thru 92/03

Discharge Number SUM A - Sum Total For 001 & 002
one set: 91/04 thru 92/04
second set: 91/05 thru 92/03

Molycorp, Inc. - Questa Division is presently required to report on the following DMR's:

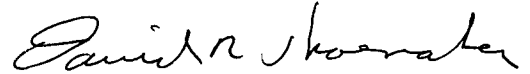
Discharge Number 002 A - Seepage Tailings Impoundment
Discharge Number 001 A - Final Process Water
Sum Total for 001 & 002
Flow Weighted Composite 001 & 002

The revised DMR forms did not include Discharge Number 001 A or Flow Weighted Composite 001 & 002. Discharge Number 001 A DMR forms have been supplied by EPA in the past, whereas the Flow Weighted Composite 001 & 002 DMR forms have never been supplied. Molycorp has been required to zerox and modify a Seepage Tailings Impoundment (002 A) or Final Process Water (001 A). Because no revised Final Process (001 A) DMR or new Flow Weighted Composite 001 & 002 DMR's have been supplied, the old Final Process and a modified zerox copy for Flow

Molycorp to EPA
June 10, 1991 Page 2

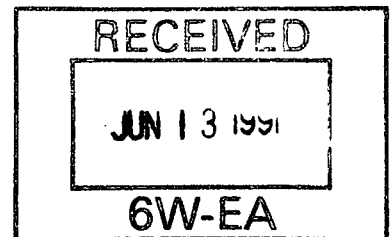
Weighted Composite 001 & 002 are still being utilized for the NPDES reporting. This problem was discussed and advisement was requested in my letter dated May 9, 1991 which accompanied the April 1991 DMR forms. For future reporting, please advise on the use of DMR reporting forms. Your assistance in this matter is appreciated.

Sincerely yours,



David R. Shoemaker
Mine Manager

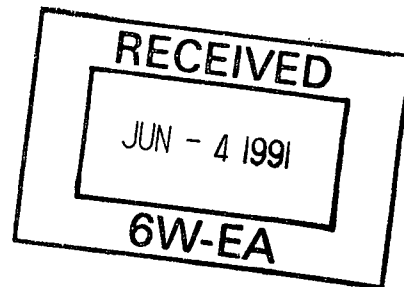
Enclosure: DMR Report
cc: NM EID Program Manager
File



RECEIVED
WATER MANAGEMENT DIVISION

91 JUN -4 PM12:53

CONCERNED CITIZENS OF QUESTA/CERRO
112 CABRESTO ROAD
c/o Manuel R. Ortega
QUESTA, NEW MEXICO 87556



U.S. Environmental Protection Agency
Mr. Myron O. Knudson, Director
Region VI---1445 Ross Avenue
Suite 1200
Dallas, Texas 75202

May 30, 1991

AD
nm 22306

Dear Mr. Knudson,

We appreciate the response in your letter of April 24, 1991. Although your remarks are quite thorough, some of the questions asked in our letter are not sufficiently answered. For instance, was the Environmental Protection Agency (EPA) responsible for taking action on violations of the Clean Water Act, prior to 1987? If not, whose responsibility and duty was it to enforce the provisions set forth in the Clean Water Act, which was enacted in 1974? The other question was whether (EPA) requires a discharge plan in their National Pollutant Discharge Elimination Permit Program (NPDES). You seem to indicate a discharge plan is only required by a state plan. And finally, does (EPA) require Molycorp to modify their (NPDES) permit concerning the proposed expansion of their mining operation. If so, why has Molycorp not submitted a request for modification of their mine tailings disposal site.

We would also like to know the formula and/or procedure (EPA) uses to determine the type of violation(s) and the amount of the fines that will be assessed, and the outcome revealed to us. Last week, early Tuesday morning May 21st, another tailings spill occurred which devastated one of our irrigation ditches, the South ditch, and ran for over Two and One Half Miles inside our acequia, entering N.M. navigable waters. There have also been several other spills in 1991 which your letter does not mention.

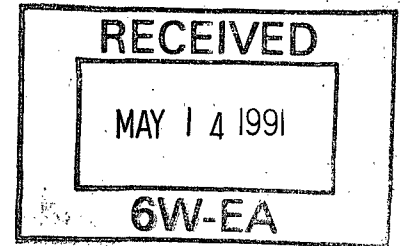
Please let us know as soon as you can what possible relief (EPA) can provide to us to correct this most unfortunate situation of water, air and soil contamination.

Sincerely,

- ___ 1 - Permit/CD
- ___ 2 - AO & AO matl
- ___ 3 - DMR's
- ___ 4 - Vio. Sum. Log
- ___ 5 - NCR
- AD 6 - Correspondence
- ___ 7 - CRAS
- ___ Date Filed
- ___ Clerk's inits.

Manuel R. Ortega
112 Cabresto Rd.
Questa, N.M. 87556
Manuel Ortega for
Concerned Citizens of Questa/Cerro

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212



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- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

AD

nm0022306

May 9, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of May 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

During the month duplicate sets of new DMR reporting forms were received. The new forms include the following:

Discharge Number 002 A - Seepage Tailings Impoundment
one set: 91/04 thru 92/04
second set: 91/05 thru 92/03

Discharge Number SUM A - Sum Total For 001 & 002
one set: 91/04 thru 92/04
second set: 91/05 thru 92/03

Molycorp, Inc. - Questa Division is presently required to report on the following DMR's:

Discharge Number 002 A - Seepage Tailings Impoundment
Discharge Number 001 A - Final Process Water
Sum Total for 001 & 002
Flow Weighted Composite 001 & 002

The revised DMR forms did not include Discharge Number 001 A or Flow Weighted Composite 001 & 002. Discharge Number 001 A DMR forms have been supplied by EPA in the past, whereas the Flow Weighted Composite 001 & 002 DMR forms have never been supplied. Molycorp has been required to zerox and modify a Seepage Tailings Impoundment (002 A) or Final Process Water (001 A). Because no revised Final Process (001 A) DMR or new Flow Weighted Composite 001 & 002 DMR's have been supplied, the old Final Process and a modified zerox copy for Flow

AD

NM002236

RECEIVED
MAY 14 1991
6W-E

Weighted Composite 001 & 002 are still being utilized for the NPDES reporting. For future reporting, please advise on the use of DMR reporting forms. Your assistance in this matter is appreciated.

Sincerely yours,

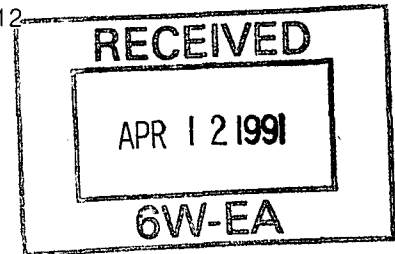
David R. Shoemaker

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM EID Program Manager
File

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

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MOLYCORP



Qad

April 9, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of March 1991,
Permit No. NM0022306, Outfalls 001 and 002. Please be
advised that no outflow occurred in Outfall 001 for the
entire month.

Sincerely yours,



David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM EID Program Manager
File

☒ 1 - Permit/CD
☐ 2 - AO & AO matl
☐ 3 - DMR's
☐ 4 - Vio. Sum. Log
☐ 5 - NCR
☒ 6 - Correspondence
☐ 7 - CRAS
☐ Date Filed
☐ Clerk's Inits.

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

RECEIVED

APR 12 1991

6W-EA

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MOLYCORP

April 8, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for biomonitoring for the first quarter, 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire quarter. There were no adverse effects for Fathead Minnows (Pimephales promelas) or Ceriodaphnia dubia.

Sincerely yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

Enclosure

cc: NM EID Program Manager
File

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Permit No. NM0022306

Page 5 of PART III

TABLE 1

SHEET 1 OF 4

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

RECEIVED

APR 12 1991

Permittee: MolyCorp, Inc.

NPDES No.: NM0022306

4 0610
1030

Composite collected FROM: 0630/0635 am pm 3/11, 3/13, 3/15 date
TO: 1030/1040 am pm 3/11, 3/13, 3/15 date

Test initiated: 1415 am 3/12/91 date

Dilution water used: ☐ Receiving water ☒ Reconstituted water

NUMBER OF YOUNG PRODUCED PER FEMALE @ 7 DAYS

Percent effluent (%)

REP	0%	9 1%	18 2%	31 10%	50 30%	100%	% at low flow 18 %	% at 1/2 low flow 31 %
A	17	32	16	27	15	9	16	27
B	29	34	27	18	14	25	27	18
C	33	30	28	30	27	23	28	30
D	M	M	M	M	M	M	M	M
E	27	30	28	26	29	19	28	26
F	30	30	32	27	24	28	32	27
G	24	25	26	23	24	23	26	23
H	28	28	28	29	24	19	28	29
I	25	28	22	30	27	10	22	30
J	21	31	20	0	12	25	20	0

M = male

Permit No. NM0022306

Page 6 of PART III

TABLE 1
SHEET 2 OF 4

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TESTPermittee: MolyCorp, Inc.
NPDES No.: NM0022306PERCENT SURVIVAL

Percent effluent (%)

Time of Reading	0%	9 1%	18 3%	31 10%	50 30%	100%	% at low flow 18%	% at 1/2 low flow 31%
24h	100	100	100	90	100	100	100	90
48h	100	100	100	90	100	100	100	90
7-day	100	100	100	90	100	100	100	90

1. Fisher's Exact Test:

Is the mean survival at 7 days significantly different ($p=0.05$) than the control survival for the % effluent corresponding to:

- a. LOW FLOW: _____ YES ☒ NO
b. 1/2 LOW FLOW: _____ YES ☒ NO

2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean number of young produced per female significantly different ($p=0.05$) than the control's number of young per female for the % effluent corresponding to:

- a. LOW FLOW: _____ YES ☒ NO
b. 1/2 LOW FLOW: _____ YES ☒ NO

3. Enter percent effluent corresponding to each NOEL below and circle lowest number:

- a. NOEL survival = 100 % effluent
b. NOEL reproduction = 100 % effluent

4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: P

5. Enter response to item 4 on DMR Form, Parameter No. TEP3B.

6. If you answered NO to 1.b. and 2.b., enter [P]; otherwise enter [F]: P

Permit No. NM0022306

Page 7 of PART III

TABLE 1

SHEET 3 OF 4

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST
(Pimephales promelas)

Permittee: MolyCorp, Inc.

NPDES No.: NM0022306

Composite collected FROM: 0630, 0635, 0610 am/pm 3/11, 3/13, 3/15 date
TO: 1030, 1040, 1030 am/pm 3/11, 3/13, 3/15 dateTest initiated: ^{DH} 3-12-91 1415 1400 am/pm 3-12-91 dateDilution water used: ☐ Receiving water ☒ Reconstituted water

DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

Effluent Conc. (%)	Average Dry Weight in milligrams in replicate chambers				MEAN DRY WEIGHT	
	A	B	C	D	mg	CV%*
0%	0.44	0.50	0.57	0.37	0.480	14.79
1% 9	0.51	0.46	0.46	0.54	0.535	11.59
3% 13	0.31	0.51	0.53	0.42 ^{DH}	0.475	18.95
10% 31	0.51	0.40	0.45	0.36	0.493	12.17
30% 50	0.46	0.48	0.46	0.60	0.543	16.57
100%	0.53	0.59	0.44	0.53	0.550	8.90
Low Flow %	0.31	0.51	0.53	0.42	0.48	19.0
1/2 Low Flow %	0.51	0.40	0.45	0.36	0.49	12.2

* coefficient of variation = standard deviation x 100/mean

1. Dunnett's Procedure:

Is the mean dry weight (growth) at 7 days effluent significantly different (p=0.05) than the control's dry weight (growth) for the % effluent corresponding to:

a. LOW FLOW: _____ YES ☒ NO

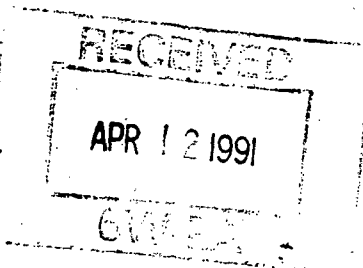
b. 1/2 LOW FLOW: _____ YES ☒ NO

dh 4/2/91

TABLE 1

SHEET 4 OF 4

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST
(Pimephales promelas)Permittee: MolyCorp, Inc.
NPDES No.: NM0022306DATA TABLE FOR FATHEAD MINNOW SURVIVAL

Effluent Conc. (%)	Percent Survival in replicate chambers				MEAN PERCENT SURVIVAL			CV%*
	A	B	C	D	24h	48h	7-day	
0%	90	100	100	90	100	100	95	6.08
9.1%	90	90	100	90	100	100	92.5	5.41
18.3%	90	100	100	80	100	92.5	92.5	10.35
31.1%	90	90	100	70	100	100	87.5	14.38
50.3%	100	80	90	90	100	100	90	9.07
100%	100	100	90	80	100	97.5	92.5	10.35
Low Flow %	90	100	100	80	100	92.5	92.5	10.4
1/2 Low Flow %	90	90	100	70	100	100	87.5	14.4

* coefficient of variation = standard deviation x 100/mean

2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean survival at 7 days significantly different ($p=0.05$) than the control survival for the % effluent corresponding to:

a. LOW FLOW: _____ YES ☒ NO

b. 1/2 LOW FLOW: _____ YES ☒ NO

3. Enter percent effluent corresponding to each NOEL below and circle lowest number:

a. NOEL survival = 100 % effluent

b. NOEL growth = 100 % effluent

4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: A

5. Enter response to item 4 on DMR Form, Parameter No. TEP6C.

6. If you answered NO to 1.b. and 2.b., enter [P]; otherwise enter [F]: A

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

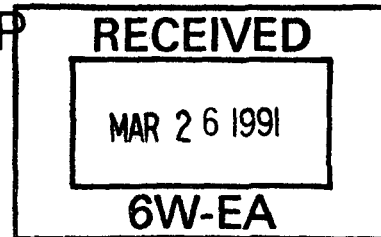
NM 22306

March 22, 1991

UNOCAL 76

Dad
MOLYCORP

Mr. Ernie Rebuck
Ground Water Section
Environmental Improvement Division
1190 St. Francis Drive
Santa Fe, NM 87503



Dear Mr. Rebuck:

The six monitoring wells which Molycorp and NM EID agreed upon located in the two tailings sump areas have been completed and sampled. Red Top Drilling Co., Inc. did the drilling and sampled the wells. Molycorp's analytical laboratory completed the water analyses. The analytical data indicate that the water chemistry is within NM Water Quality Standards and within Molycorp's NPDES Permit Discharge Limits. The following summarizes the monitoring well results:

Upper Sump Area

Well	Depth (ft.)	G.P.M.	pH	TDS	SO ₄	Mo
US-1	38	15	7.0	190	57	<.03
US-2	28.5	30	6.9	312	115	.19
US-3	27	20	7.1	155	40	.07

Lower Sump Area

Well	Depth (ft.)	G.P.M.	pH	TDS	SO ₄	Mo
LS-1	58	10	6.7	305	116	<.03
LS-2	25.75	30	6.6	290	115	<.03
LS-3	20	50+	6.6	266	90	<.03

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Corres.
7 - CRAS
Date Filed
Clerk's Inits.

Enclosed are 1:6000 scale maps showing the locations of the Upper Dump and Lower Dump Sump wells, copies of the drill logs for US-1, US-2, US-3, LS-1, LS-2 and LS-3 and a copy of the analytical results. As per Molycorp's tailings maintenance plan which was submitted to EPA and NM EID, the Sump monitoring wells will be sampled semi-annually and the results will be submitted to the EID Ground Water Bureau for review. Should you have any questions please give me a call at (505) 586-7601.

Sincerely yours,

David R. Shoemaker
Mine Manager

Enclosures
cc: EPA Dallas, TX

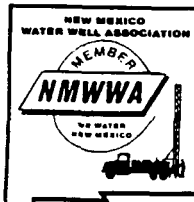


Red Top Drilling Co. Inc.

P. O. Box 505 → Las Vegas, New Mexico 87701

Phone: (505) 425-8371

Pin No. 4-729



WATER WELL LOG AND INFORMATION

Owner Molycorp Inc. Monitoring Well # US-1

Location of Well Upper pond, above pond

Date Started 3/4/91 Date Completed 3/6/91

Driller Roger Isbell TOTAL DEPTH 38 Ft.

Water bearing stratas:

G.P.M. 1 From 22 ft. to 27 ft.

G.P.M. 14 From 33 ft. to 38 ft.

G.P.M. From ft. to ft.

G.P.M. From ft. to ft.

Total G.P.M. 15 Type Test Air

Static Water level from surface 22'9" ft.

Packer set @ 12 1/2 ft. Hole size 20 ft.

Hole size 8-5/8 to 38 ft.

Casing 4" PVC From 2'A ft. to 38 ft.

Casing 8-5/8 Steel From 2 1/2 ft. to 3 1/2 ft.

.032 slotted casing From 18 to 38 ft.

From to ft.

From to ft.

From to ft.

From to ft.

Remarks

WELL LOG

Thickness of strata	Formation & Color	To a depth of
<u>2</u> ft.	<u>Brown top soil & gravel</u>	<u>2</u> ft.
<u>13</u> ft.	<u>Brown clay & gravel</u>	<u>15</u> ft.
<u>4</u> ft.	<u>Brown clay & boulders</u>	<u>19</u> ft.
<u>2</u> ft.	<u>Gray sand, gravel & clay</u>	<u>21</u> ft.
<u>17</u> ft.	<u>Brown sand & gravel</u>	<u>38</u> ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.	<u>(8-12) Silica Sand-16'-38'</u>	ft.
ft.		ft.
ft.	<u>1/2" Bentonite pellets 14'-16'</u>	ft.
ft.		ft.
ft.	<u>Backfill 5'-14'</u>	ft.
ft.		ft.
ft.	<u>Cement & Bentonite 0-5'</u>	ft.
ft.		ft.
ft.		ft.
ft.		ft.

WATER ANALYSIS

Ph 7.0 Iron 0.3 Hardness 8

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MAR 26 1991

6W-EA

Ph..... Iron..... Hardness.....



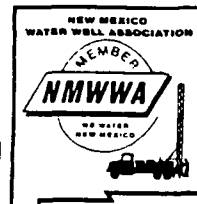
Red Top Drilling Co. Inc.

P. O. Box 505 Las Vegas, New Mexico 87701

Phone: (505) 425-8371

WATER WELL LOG AND INFORMATION

Pin No. 4-730



Owner.....MolyCorp., Inc. Monitoring well Permit No. LS-1

Location of Well.....Lower pond, above pond

Date Started.....3/8/91.....Date Completed.....3/11/91

Driller.....Roger Isbell.....TOTAL DEPTH.....58.....Ft.

Water bearing strates: Casing.....4" PVC.....Ft.

G.P.M.....1.....From 4.5 ft. to 4.7 ft. From 2' A ft. to 58 ft.

G.P.M.....9.....From 53 ft. to 58 ft. Casing 8-5/8" steel

G.P.M.....From.....ft. to.....ft. From 2 1/2' A ft. to 2 1/2 ft.

G.P.M.....From.....ft. to.....ft. .032 slotted

Total G.P.M.....10.....Type Test.....air.....casing

Static Water level from surface.....43.....ft. From 38 to 58 ft.

Packer set@.....ft. Hole size.....12 1/4" to 26 ft. From to ft.

Hole size.....7-7/8" 58ft. From to ft.

Remarks.....The well could not be cleaned with air.

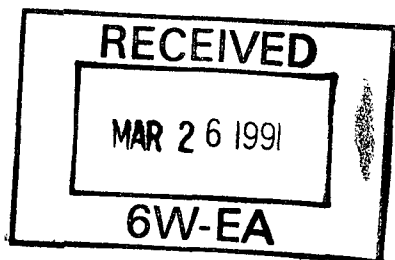
After it was cased, pumped 16 GPM.

WELL LOG

Thickness of strata	Formation & Color	To a depth of
2 ft.	Brown top soil and	ft.
ft.	gravel	2 ft.
15 ft.	Brown sand, clay, and	ft.
ft.	gravel	17 ft.
5 ft.	Brown boulders and clay	22 ft.
14 ft.	Gray & brown gravel and	ft.
ft.	clay	36 ft.
22 ft.	Brown sand, gravel and	ft.
ft.	clay	58 ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.	8-12 Silica sand from 36' to 58'	ft.
ft.	1/2" bentonite pellets from 34' to 36'	ft.
ft.	cement & bentonite from 0' to 5'	ft.
ft.		ft.
ft.	This well was pumped at 16 GPM after	

WATER ANALYSIS it was cased.

Ph.....Iron.....Hardness.....





Red Top Drilling Co., Inc.

P. O. Box 505 • Las Vegas, New Mexico 87701

Phone: (505) 425-8371

WATER WELL LOG AND INFORMATION

4-730

Pin No.



Owner.....Molycorp Inc.,.....Monitoring.....Well #LS-2
Permit No.....

Location of Well.....Lower pond, below pond-Eastside

Date Started.....3/6/91.....Date Completed.....3/7/91

Driller.....Roger Isbell.....TOTAL DEPTH.....25'9".....Ft.

Water bearing stratas:

G.P.M.....30.....From.....6.....ft. to.....25'9".....ft.

G.P.M.....From.....ft. to.....ft.

G.P.M.....From.....ft. to.....ft.

G.P.M.....From.....ft. to.....ft.

Total G.P.M.....30.....Type Test.....Air

Static Water level from surface.....10'9".....ft.

Packer set@.....ft. Hole size.....12 1/4.....to.....20.....ft.

Hole size.....8-5/8.....to.....25'9".....ft.

Casing.....4" PVC.....Ft.

From.....2'A.....ft. to.....25'9".....ft.

Casing.....8-5/8 Steel

From.....2 1/2'A.....ft. to.....1'9".....ft.

.032 slotted casing

From.....5'9".....to.....25'9".....ft.

From.....to.....ft.

From.....to.....ft.

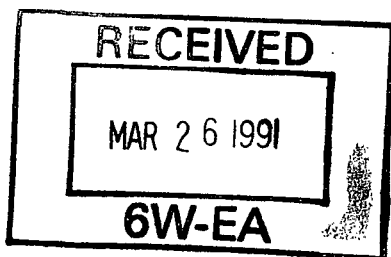
Remarks.....

WELL LOG

Thickness of strata	Formation & Color	To a depth of
1 ft.	Brown top soil & gravel	1 ft.
5 ft.	Brown gravel & clay	6 ft.
19'9" ft.	Brown sand, gravel & clay	25'9" ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.	8-12 Silica sand	3'9"-25'9"
ft.		ft.
ft.	1/2" Bentonite pellets	1'9"-3'9"
ft.		ft.
ft.	Cement & Bentonite	0-1'9"
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.

WATER ANALYSIS

Ph.....7.8.....Iron.....trace.....Hardness.....10





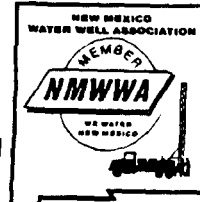
Red Top Drilling Co., Inc.

P. O. Box 505 Las Vegas, New Mexico 87701

Phone: (505) 425-8371

WATER WELL LOG AND INFORMATION

Pin No. 4-730



Owner Molycorp Inc. Monitoring Well #LS-3

Location of Well Lower pond, below pond, westside

Date Started 3/7/91 Date Completed 3/7/91

Driller Roger Isbell

TOTAL DEPTH 20 Ft.

Water bearing strates:

G.P.M. 50+ From 5 ft. to 20 ft.

G.P.M. From ft. to ft.

G.P.M. From ft. to ft.

G.P.M. 50+ From ft. to Air ft.

Total G.P.M. Type Test 5

Static Water level from surface 5 ft.

Packer set @ ft. Hole size 8-5/8 to 20 ft.

Hole size to ft.

Casing 4" PVC

From 2'A ft. to 20 ft.

Casing 8-5/8" Steel

From 2 1/2'A ft. to 1 ft.

Perforation: 032 slotted

From 5 casing 20 ft.

From to ft.

From to ft.

From to ft.

Remarks

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MAR 26 1991

6W-EA

WELL LOG

Thickness of strata

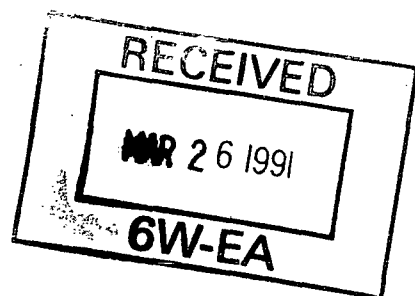
Thickness of strata	Formation & Color	To a depth of
14 ft.	Brown top soil	1 ft.
5 ft.	Brown sand, gravel & clay	15 ft.
ft.	Brown gravel & clay	20 ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.	8-12 Silica Sand 3'-20'	ft.
ft.		ft.
ft.	Bentonite pellets 1'-3'	ft.
ft.		ft.
ft.	Cement & Bentonite 0-1	ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.
ft.		ft.

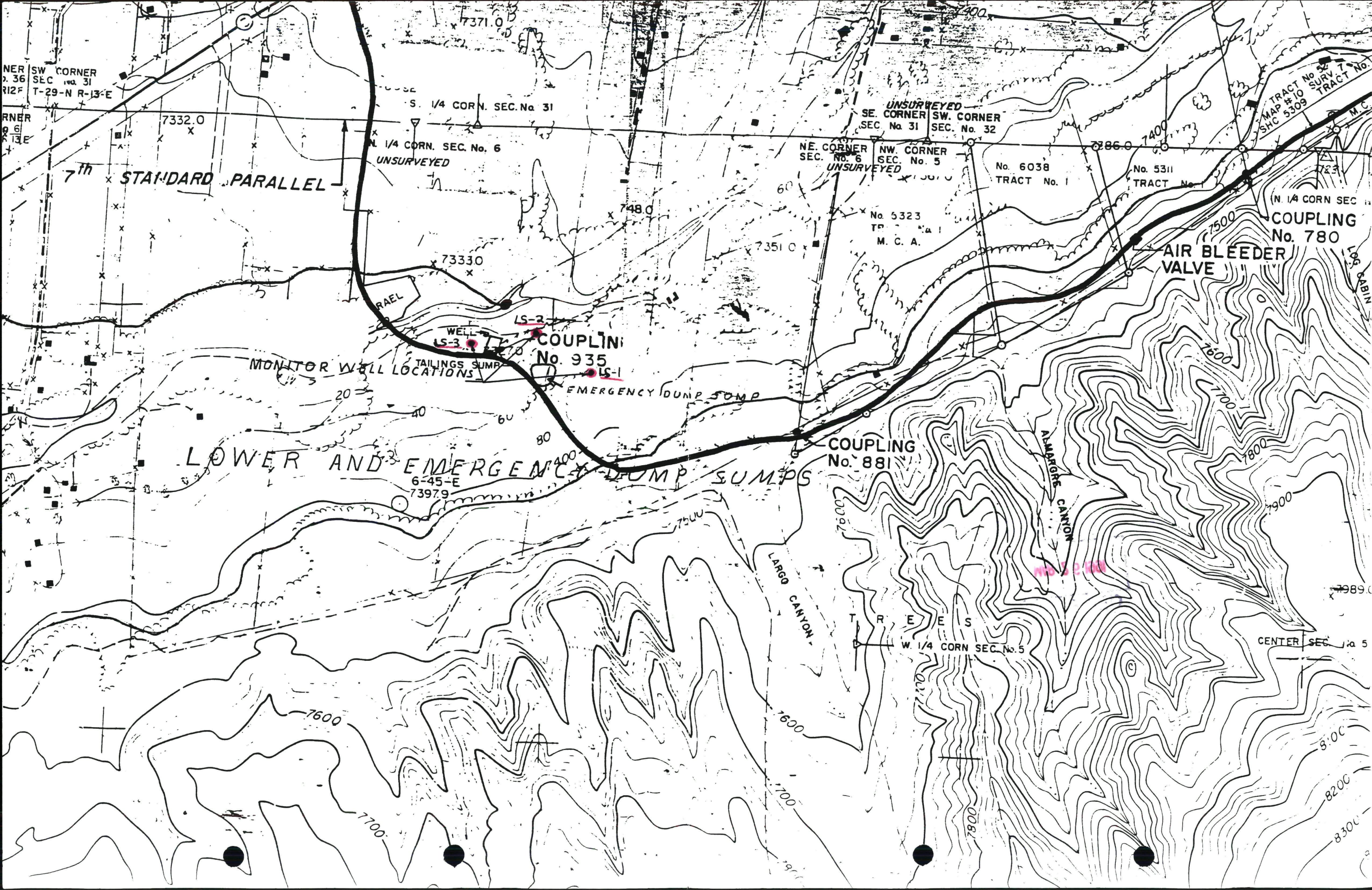
WATER ANALYSIS

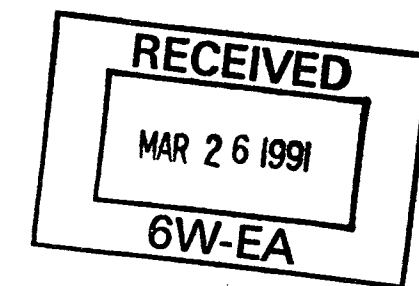
Ph 7.0 Iron 0.2 Hardness 7

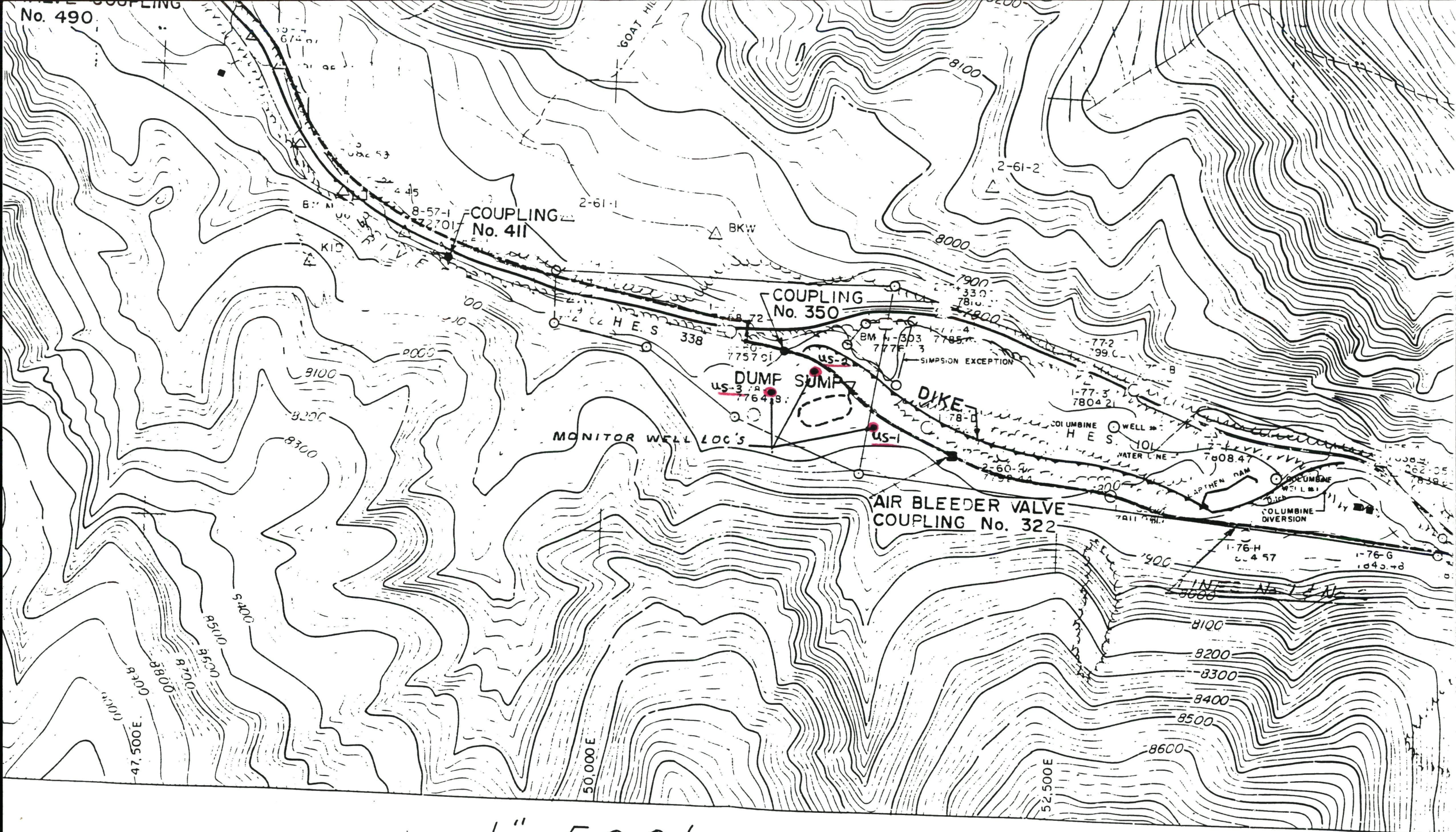
SAMPLE SOURCE	PH	TDS	SO4	MD
US 1	7.0	190	57	<.03
US 2	6.9	312	115	.19
US 3	7.1	155	40	.07
LS 1	6.7	305	116	<.03
LS2	6.6	290	115	<.03
LS3	6.6	266	90	<.03

SAMPLED WEEK OF 3-11 TO 3-15-91









1" = 500'

UPPER DUMP SUMP
MOLYCORP

QUEST
QUEST
PO
T 29 AND 30

Molycorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP

February 15, 1991

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MAR 19 1991

6W-EA

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed is the Biomonitoring Report for the Fourth Quarter of 1990, Permit No. NM 0022306, Outfalls 001 and 002.

No flow occurred at Outfall 001 during the entire period, therefore the tests were performed on water from Outfall 002 only.

The results for Ceriodaphnia dubia show a reduction in reproduction in the 31, 50 and 100 percent effluent treatment groups.

There were no adverse effects for Fathead Minnows (Pimephales promelas).

Copies of laboratory reports are attached. Please contact us if you need additional information.

Very truly yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

Enclosures:

Toxicity Report Form
Laboratory Report

cc: NM EID Program Manager

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

Permit No. NM0022306

Page 5 of PART III

TABLE 1

SHEET 1 OF 4

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

Permittee: MolyCorp, Inc.
NPDES No.: NM0022306

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MAR 10 1991

BW-EA

Composite collected FROM: 0800, 0800, 0730 am/pm 12/10, 12/12, 12/14 date
TO: 1230, 1230, 1200 am/pm 12/10, 12/12, 12/14 date

Test initiated: ¹⁵⁴⁵12-11-90 am/pm 12-11-90 date

Dilution water used: ☐ Receiving water ☒ Reconstituted water RW#443
Rec. H₂O Match

NUMBER OF YOUNG PRODUCED PER FEMALE @ X DAYS

Percent effluent (%)

REP	0%	9%	18%	31 10%	50 30%	100%	% at low flow 18 %	% at 1/2 low flow 31 %
A	31	23	25	23	23	19	25	23
B	25	24	30	23	24	14	30	23
C	26	23	24	24	23	17	24	24
D	25	27	21	12	24	15	21	12
E	26	22	27	22	19	18	27	22
F	30	24	22	25	22	13	22	25
G	28	26	27	24	24	21	27	24
H	27	23	23	24	22	10	23	24
I	23	23	22	19	24	17	22	19
J	27	25	18	28	24	17	18	28

TABLE 1

SHEET 2 OF 4

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

Permittee: Molycorp, Inc.
 NPDES No.: NM0022306

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MAR 19 1991

6W-EA

PERCENT SURVIVAL

Percent effluent (%)

Time of Reading	0%	9%	18%	31%	50%	100%	% at low flow 18 %	% at 1/2 low flow 31 %
24h	100	100	100	100	100	100	100	100
48h	100	100	100	100	100	100	100	100
6x-day	100	100	100	100	100	100	100	100

1. Fisher's Exact Test:

Is the mean survival at 7 days significantly different ($p=0.05$) than the control survival for the % effluent corresponding to:

- a. LOW FLOW: YES ✓ NO
 b. 1/2 LOW FLOW: YES ✓ NO

2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean number of young produced per female significantly different ($p=0.05$) than the control's number of young per female for the % effluent corresponding to:

- a. LOW FLOW: YES ✓ NO
 b. 1/2 LOW FLOW: ✓ YES NO

3. Enter percent effluent corresponding to each NOEL below and circle lowest number:

- a. NOEL survival = 100 % effluent
 b. NOEL reproduction = 18 % effluent

4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: P

5. Enter response to item 4 on DMR Form, Parameter No. TEP3B.

6. If you answered NO to 1.b. and 2.b., enter [P]; otherwise enter [F]. F

TABLE 1

SHEET 3 OF 4

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST MAR 10 1991
 (Pimephales promelas)

Permittee: MolyCorp, Inc.

NPDES No.: NM0022306

Composite collected FROM: 0800, 0800, 0830 am/pm 12/10, 12/12, 12/14 date
 TO: 1230, 1230, 1200 am/pm 12/10, 12/12, 12/14 date

Test initiated: 1545/600 am/pm 12-11-90 date

Dilution water used: ☐ Receiving water ☒ Reconstituted water RW#443
 Rec. H₂O Match

DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

Effluent Conc. (%)	Average Dry Weight in milligrams in replicate chambers				MEAN DRY WEIGHT	
	A	B	C	D	mg	CV%*
0%	0.30	0.36	0.20	0.18	0.260	32.69
9 3/4%	0.27	0.32	0.32	0.16	0.268	27.99
18%	0.37	0.30	0.30	0.27	0.310	13.55
31 1/2%	0.32	0.43	0.43	0.43	0.403	13.65
50 3/4%	0.37	0.43	0.46	0.36	0.405	11.85
100%	0.22	0.35	0.28	0.39	0.310	24.19
Low Flow 1/8 %	0.37	0.30	0.30	0.27	0.310	13.55
1/2 Low Flow 31 %	0.32	0.43	0.43	0.43	0.403	13.65

* coefficient of variation = standard deviation x 100/mean

1. Dunnett's Procedure:

Is the mean dry weight (growth) at 7 days effluent significantly different ($p=0.05$) than the control's dry weight (growth) for the % effluent corresponding to:

a. LOW FLOW: _____ YES ☒ NO
 b. 1/2 LOW FLOW: _____ YES ☒ NO

MAR 11 1991

11/11/91

TABLE 1

SHEET 4 OF 4

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST
(Pimephales promelas)

RECEIVED

Permittee: Molycorp, Inc.
NPDES No.: NM0022306

MAR 10 1991

DATA TABLE FOR FATHEAD MINNOW SURVIVAL

GW-BA

Effluent Conc. (%)	Percent Survival in replicate chambers				MEAN PERCENT SURVIVAL			CV%*
	A	B	C	D	24h	48h	7-day	
0%	90	90	70	90	92.5 100	90	85	11.76
9 1%	90	80	50	70	97.5	97.5	72.5	23.56
18%	90	60	60	70	97.5	92.5	70	20.70
31 19%	90	67	77	90	100	97.5	81 ⁸²	13.78
50 30%	90	90	89	70	100	100	84.8 85	11.62
100%	80	60	60	90	97.5	97.5	72.5	20.69
Low Flow 1/8 %	90	60	60	70	97.5	92.5	70	20.2
1/2 Low Flow 31	90	67	77	90	100	97.5	82	13.78

MAR 11 1991

* coefficient of variation = standard deviation x 100/mean

2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean survival at 7 days significantly different ($p=0.05$) than the control survival for the % effluent corresponding to:

- a. LOW FLOW: _____ YES ☒ NO
- b. 1/2 LOW FLOW: _____ YES ☒ NO

3. Enter percent effluent corresponding to each NOEL below and circle lowest number:

- a. NOEL survival = 100 % effluent
- b. NOEL growth = 100 % effluent

4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: P

5. Enter response to item 4 on DMR Form, Parameter No. TEP6C.

6. If you answered NO to 1.b. and 2.b., enter [P]; otherwise enter [F]: P

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APR 10 1991

SW-EA

ad
(1)
Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL
MOLYCORP

March 18, 1991

Mr. Adolphus Talton
Environmental Protection Specialist
U.S. Environmental Protection Agency - Region 6
Enforcement Branch (6W-EAT)
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

RECEIVED

MAR 19 1991

6W-EA

RE: NPDES Permit No. NM0022306

Dear Mr. Talton:

This letter is in response to your letter of non-compliance dated March 13, 1991 to Molycorp, Inc. In your letter you indicated that the EPA has not received the following report:

Toxicity Discharge Monitoring Report (TX1A) for the combine discharge of outfalls 001A & 002A for the period ending December 1990

The subject report was completed by Molycorp, Inc. and submitted to EPA in February, 1991. The report was sent Certified Mail Return Receipt Requested (Article # 473-901-756) and it was received by EPA on February 22, 1991 according to the receiving agents initials "CWW" (a copy of the Return Receipt is enclosed). A copy of the report was also sent to the NMEID and they received it on February 20, 1991 according to a Return Receipt which is contained in Molycorp's files. In addition, the cover letter accompanying the TX1A report indicated that there was no flow from Outfall 001 during the entire period and therefore the tests were performed on water from Outfall 002 only. I am enclosing copies of the cover letter dated February 15, 1991 and the TX1A report documentation. Should you have any further questions, please contact me at the above address or telephone (505) 586-7601.

Sincerely yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NGR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

Enclosure

cc: NM EID Program Manager

Cover Letter 3/18/91 only

Ad

RECEIVED

MAR 19 1991

6W-EA

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.	
1. <input checked="" type="checkbox"/> Show to whom delivered; date, and addressee's address: (Extra charge)	2. <input type="checkbox"/> Restricted Delivery (Extra charge)
3. Article Addressed to: Enforcement Branch (6W-E) U.S. E.P.A. 1445 Ross Avenue Dallas, Texas 75202-2733	4. Article Number 473-901-756 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED .
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>CWW</i>	
7. Date of Delivery <i>2/22/91</i>	

ALD

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

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MOLYCORP

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MAR 14 1991

6W-EA

March 11, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of February 1991,
Permit No. NM0022306, Outfalls 001 and 002. Please be
advised that no flow occurred in Outfall 001 for the entire
month.

Sincerely yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM EID Program Manager
File

Ag

- ____ 1 - Permit/CD
- ____ 2 - AO & AO matl
- ____ 3 - DMR's
- ____ 4 - Vic. Sum. Log
- ____ 5 - NCR
- ____ 6 - Correspondence
- ____ 7 - CRAS
- ____ Date Filed
- ____ Clerk's Inits.

MolyCorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

A. D.

UNOCAL 

MOLYCORP

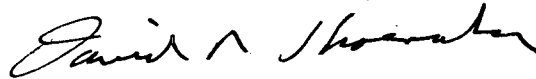
February 4, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of January 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire month.

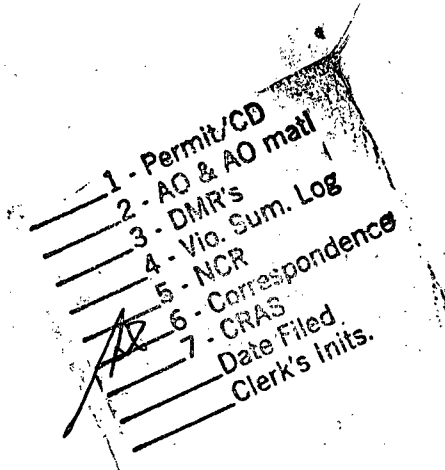
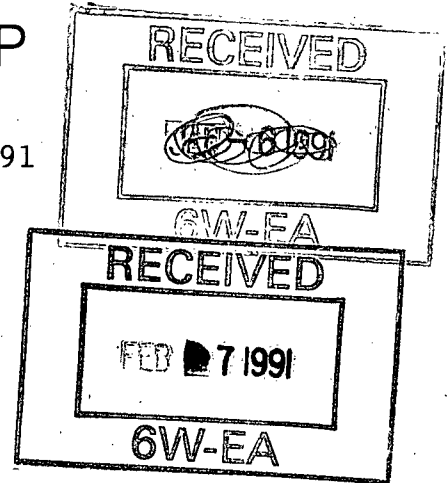
Very truly yours,



David R. Shoemaker
Mine Manager

Enclosure:
DMR Report

cc: NM EID Program Manager
File



Molycorp, Inc.
A Unocal Company
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL 

MOLYCORP

January 28, 1991

RECEIVED

FEB 4 1991

6W-EA

REPLY TO: 6W-EAT

RE: NPDES Permit No. NM0022306

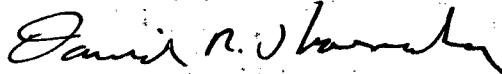
Mr. Adolphus Talton
Environmental Assistant
U.S. Environmental Protection
Agency, Region VI
1445 Ross Ave. Suite 1200
Dallas, Texas 75202-2733

Dear Mr. Talton:

This letter will confirm our telephone conversation on Tuesday, January 22, 1991, during which you stated your letter dated January 17, 1991, advising our facility of violations of manganese and molybdenum is being rescinded because, in fact, no violations exist.

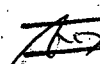
On the issue that the September report for bio-monitoring was not received, our records indicate the report was mailed and a xerox copy of the report and accompanying letter are enclosed.

Very truly yours,



David R. Shoemaker
Mine Manager

Enclosure: Sept. Biomonitoring Report


1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

March 13, 1991

REPLY TO: 6W-EA

Mr. David Shoemaker
General Superintendent
Molycorp Inc.
P. O. Box 469
Questa, New Mexico 87556

RE: NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

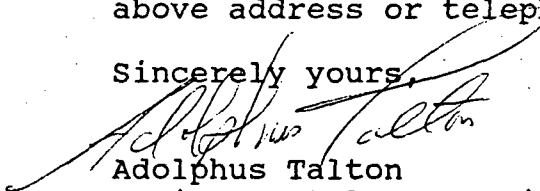
The above referenced National Pollutant Discharge Elimination System (NPDES) permit issued to authorize the discharge from your facility requires submission of periodic reports to allow us to monitor your compliance with your permit. To date, our records indicate the following information has not been received:

Toxicity Discharge Monitoring Report (TX1A) for the
combine discharge of outfalls 001A & 002A for the period
ending December 1990

Nonsubmission of the required information constitutes a violation of the conditions of the above referenced NPDES permit. Future enforcement actions could include administrative compliance orders, administrative penalty orders, and/or referral to the United States Department of Justice for judicial action with monetary fines.

If you believe you have complied with this requirement through a previous submittal, please submit a copy of that report within ten (10) days. If you have any questions, please contact me at the above address or telephone (214) 655-6455.

Sincerely yours,


Adolphus Talton
Environmental Protection Specialist
Enforcement Branch (6W-EAT)

cc: New Mexico Environmental Improvement
Division

JAN 17 1991

REPLY TO: 6W-EAT

Mr. David R. Shoemaker
General Manager
Molycorp, Inc. - Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: NPDES Permit No. NM0022306

<input checked="" type="checkbox"/>	1 - Permit/CD
<input checked="" type="checkbox"/>	2 - AO & AO matl
<input checked="" type="checkbox"/>	3 - DMR's
<input checked="" type="checkbox"/>	4 - Viol. Sum. Log
<input checked="" type="checkbox"/>	5 - NCP
<input checked="" type="checkbox"/>	6 - Correspondence
<input checked="" type="checkbox"/>	7 - CRAS
<input type="checkbox"/>	Date Filed
<input type="checkbox"/>	Clerk's Inits.

Dear Mr. Shoemaker:

We note that your facility is in violation of the above referenced permit, specifically, the following violations:

Date	Outfall	Parameter	Violation	Permit Limit
*8/90	002A	Manganese, daily avg.	1.67 mg/l	1.0 mg/l
		Molybdenum, daily avg.	2.41 mg/l	1.0 mg/l
		Molybdenum, daily max.	2.47 mg/l	2.0 mg/l
		Molybdenum, daily max.	2.47 mg/l	2.0 mg/l
*9/90	002A	Manganese, daily avg.	1.72 mg/l	1.0 mg/l
		Manganese, daily max.	2.49 mg/l	2.0 mg/l
		Molybdenum, daily avg.	2.35 mg/l	1.0 mg/l
		Molybdenum, daily max.	2.49 mg/l	2.0 mg/l
		Molybdenum, daily max.	2.49 mg/l	2.0 mg/l

Noncompliance reports for the above asterisked violations have not been received. You need to submit the information required in your permit within ten (10) days of receipt of this letter.

Your facility should take whatever remedial action is necessary to prevent the recurrence of the violations noted above.

A report of the above violations will be placed in your file. The report will be used in our consideration of the appropriate action to be taken in the event of future violations. Future enforcement actions could include administrative compliance orders, administrative penalty orders, and/or referral to the United States Department of Justice for judicial action with monetary fines.

6W-EAT:ATLTON:ce:WE1:x6455:12/6/90:C18:(00798)

147 12/21/90

CONCURRENCES

SYMBOL	6W-EAT	6W-EA					
SURNAME	B.D. Gordon	JB Gibson					
DATE	12/12/90	1-2-91					

If you have any questions, please contact me at the above address or telephone (214) 655-6455.

Sincerely yours,

15/
Adolphus Talton
Environmental Assistant
Enforcement Branch (6W-EAT)

cc: Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement
Division

bcc: R. File (6W-E)
Talton (6W-EAT)

JAN 17 1991

REPLY TO: 6W-EAT

Mr. David R. Shoemaker
General Manager
Molycorp, Inc. - Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

We note that your facility is in violation of the above referenced permit, specifically, the following violations:

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6W-EAT:ATALTON:ce:WE1:x6455:12/6/90:C18:(00798)

H7 12/21/90

CONCURRENCES

SYMBOL	6W-EAT	6W-EA					
SURNAME	B.D. Gordon	J.B. Gibson					
DATE	12/21/90	1-2-91					

ad

Molycorp, Inc.
A Unocal Company
Questa Division
P.O. Box 469
Questa, New Mexico 87556
Telephone: (505) 586-0212

UNOCAL ⁷⁶
MOLYCORP

January 3, 1991

RECEIVED

JAN 9 1991

6W-EA

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of December, 1990, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire month.

Our supply of preprinted forms will run out in May, 1991. Please send a supply of the following preprinted forms:

- o Outfall 001
- o Outfall 002
- o Outfalls 001 + 002 flow-weighted average
- o Outfalls 001 + 002 Sum A (Mo mass discharge)

Very truly yours,

David R. Shoemaker

David R. Shoemaker
Mine Manager

Enclosure: DMR Report
cc: NM EID Program Manager
Files

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

☒ Action

☒ MAJOR

MINOR

B = Bypass/Overflows ☒
I = Inspection ☐
E = VRAC (Effluent) ☒
A = A/O Response ☐
R = Admin Review ☐
S = S/C Report ☐
P = Pretreatment ☐
T = Toxicity ☐
D = Consent Decree Response ☐
C = Correspondence Req. Review ☒
L = Sludge ☐

NPDES 14 m 0022 306

Name moly CORP Inc

Location _____

Assistant ADOLPHUS TALTON

Date Received 12/13/91

4-135 dtd 12/3/91 + 12/4/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
<u>ELLISON</u>	<u>CE</u>	<u>12.16</u>	
<u>Smith</u>	<u>2/1/91</u>	<u>12/23/91</u>	<u>WE-3 DRAFTED</u>
_____	_____	_____	_____
_____	_____	_____	_____
<u>ELLISON</u>	<u>CE</u>	<u>12.21</u>	
<u>AD TALTON</u>	<u>AD</u>	<u>1/2/92</u>	

REMARKS:

- ☒ 1 - Permit/CD
- ☒ 2 - AO & AO matl
- ☒ 3 - DMR's
- ☒ 4 - Vio. Sum. Log
- ☒ 5 - NCR
- ☒ 6 - Correspondence
- ☒ 7 - CRAS
- ☒ Date Filed
- ☒ Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information
Action

MAJOR
MINOR

B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent) 91-415
A = A/O Response 91-415
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

NPDES NW002306
Name Moly Corp Inc
Location
Assistant ADOLPHUS TALTON
Date Received 12/13/91
42 dfg 1/27/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
<u>ELLISON</u>	<u>CE</u>	<u>12-16</u>	
<u>Smith</u>	<u>TH</u>	<u>12-19-91</u>	<u>*SEE BELOW, FILE</u>
<u>ELLISON</u>	<u>CE</u>	<u>12-19</u>	
<u>AD TALTON</u>	<u>AD</u>	<u>1/7/92</u>	

REMARKS:

* Fulfills NOTIFICATION REQUIRMENTS FOR
PROGRESS RPT #2 AS WELL AS
10/1/91 AN 10/15/91 MILESTONES

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

B = Bypass/Overflows ✓
I = Inspection ✓
E = VRAC (Effluent) ✓
A = A/O Response ✓
R = Admin Review ✓
S = S/C Report ✓
P = Pretreatment ✓
T = Toxicity ✓
D = Consent Decree Response ✓
C = Correspondence Req. Review ✓
L = Sludge ✓

MAJOR

MINOR

NPDES NM0022802

Name MolyCorp Inc

Location

Assistant ADOLPHUS TALTON

Date Received 11/27/91

2K dtd 11/1/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>968</u>	<u>CE</u>	<u>11.27</u>	
<u>Smith</u>	<u>TH</u>	<u>12-3-91</u>	<u>DRAFTED WE-3</u>
ELLISON	<u>CE</u>	<u>12.4</u>	
AD TALTON	<u>AD</u>	<u>12/5</u>	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

X MAJOR

MINOR

B = Bypass/Overflows _____
I = Inspection _____
E = VRAC (Effluent) _____
A = A/O Response _____
R = Admin Review _____
S = S/C Report _____
P = Pretreatment _____
T = Toxicity _____
D = Consent Decree Response _____
C = Correspondence Req. Review ✓
L = Sludge _____

NPDES NM0022306

Name MO/Y CORP

Location _____

Assistant ADOLPHUS TALTON

Date Received 1/7/92

12/16/91 ~ 12/19/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
509 ELLISON	<u>CE</u>	<u>1-7</u>	
<u>Smith</u>	<u>MA</u>	<u>1-8-92</u>	<u>PLEASE FILE</u>
ELLISON	<u>CE</u>	<u>1-9</u>	
AD TALTON	<u>AT</u>	<u>1-13</u>	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- AD Date Filed
- AD Clerk's Inits

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

X MAJOR

MINOR

B = Bypass/Overflows _____
 I = Inspection _____
 E = VRAC (Effluent) _____
 A = A/O Response 91-415
 R = Admin Review 10/17/91
 S = S/C Report ✓
 P = Pretreatment _____
 T = Toxicity _____
 D = Consent Decree Response _____
 C = Correspondence Req. Review ✓
 L = Sludge _____

NPDES 10M0022306

Name moly corp Inc

Location _____

Assistant ADOLPHUS TALTON

Date Received 10/24/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>376</u>	<u>CE</u>	<u>10-24</u>	
<u>SMITH</u> <u>MAITZ</u>	<u>MAITZ</u>	<u>10-28-91</u>	<u>PLEASE FILE</u>
ELLISON	<u>CL</u>	<u>10-30</u>	
AD TALTON	<u>AD</u>	<u>10-31</u>	

REMARKS:

1. Permit/CD
 2. AO & AO matl
 3. DMR's
 4. Vio. Sum. Log
 5. NCR
 6. Correspondence
 7. CRAS
 Date Filed
 Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

Action

- B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

X

MAJOR

MINOR

NPDES NNA 0022306

Name malycorp Inc

Location

Assistant ADOLPHUS TALTON

Date Received 10/9/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON	<u>CE</u>	<u>10-9</u>	
<u>Mitz</u>	<u>MM</u>	<u>10/23/91</u>	<u>ltr dtd 10/2/91</u>
			<u>PLEASE FILE</u>
ELLISON	<u>CE</u>	<u>10-23</u>	
AD TALTON	<u>AD</u>	<u>10-24</u>	

REMARKS:

1. Permit/CD
2. AO & AO matl
3. DMR's
4. Vio. Sum. Log
5. NCR
6. Correspondence
7. CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

MAJOR

MINOR

B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response ✓ 91-415
R = Admin Review
S = S/C Report ✓
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review ✓
L = Sludge

NPDES NM0022306

Name moly corp Inc

Location

Assistant ADOLPHUS TALTON

Date Received 10/11/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>634</u>	<u>CE</u>	<u>10-1</u>	
<u>Mifz</u>	<u>Am</u>	<u>10/11/91</u>	<u>242 d/d 9/12/91</u>
			<u>PLEASE FILE</u>
ELLISON	<u>CE</u>	<u>10-7</u>	
AD TALTON	<u>AD</u>	<u>10/9</u>	

REMARKS:

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

X Information

X MAJOR

 Action

 MINOR

- B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

NPDES NM 0022306

Name Moly Corp CO

Location

Assistant ADOLPHUS TALTON

Date Received 9/11/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>3859</u>	<u>CE</u>	<u>9-11</u>	
<u>Mit2</u>	<u>[Signature]</u>	<u>9/16/91</u>	<u>ltr dated 9/3/91 regarding</u> <u>tailings spill on 5/21/91</u> <u>PLEASE FILE</u>
ELLISON	<u>CE</u>	<u>9-16</u>	
AD TALTON	<u>AT</u>	<u>9-18</u>	

REMARKS:

- 1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits. MS

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

✓ Action

MAJOR

MINOR

B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

NPDES NM0022306

Name noly corp

Location

Assistant ADOLPHUS TALTON

Date Received 8/14/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON 3/96	(C)	8-15	
mitz	h	8/19/91	will close
ELLISON	ce	8-20	
AD TALTON	AD	8-28	

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Wo. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

REMARKS:

could you close & AO 91-1080 (All Requirement has been met).

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

B = Bypass/Overflows _____
I = Inspection _____
E = VRAC (Effluent) _____
A = A/O Response _____
R = Admin Review _____
S = S/C Report _____
P = Pretreatment _____
T = Toxicity _____
D = Consent Decree Response _____
C = Correspondence Req. Review L
L = Sludge _____

X MAJOR

MINOR

NPDES NM 0022306

Name moly corp Inc

Location _____

Assistant ADOLPHUS TALTON

Date Received 8/7/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
2993 ELLISON	Ce	8-7	
mitz	<u>[Signature]</u>	8/14/91	PLEASE FILE
ELLISON	Ce	8-15	
AD TALTON	<u>[Signature]</u>	8-28	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Viol. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

X MAJOR

MINOR

B = Bypass/Overflows _____
I = Inspection _____
E = VRAC (Effluent) _____
A = A/O Response _____
R = Admin Review _____
S = S/C Report _____
P = Pretreatment _____
T = Toxicity _____
D = Consent Decree Response _____
C = Correspondence Req. Review ✓
L = Sludge _____

NPDES N/M 00 22306

Name moly corp corp

Location _____

Assistant ADOLPHUS TALTON

Date Received 7/27/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>2721</u>	<u>CE</u>	<u>7-29</u>	
<u>mitz</u>	<u>M</u>	<u>8/14/91</u>	<u>PLEASE FILE</u>
ELLISON	<u>CE</u>	<u>8-15</u>	
AD TALTON	<u>AD</u>	<u>8-28</u>	

REMARKS:

_____ 1 - Permit/CD
 _____ 2 - AO & AO matl
 _____ 3 - DMR's
 _____ 4 - Vio. Sum. Log
 _____ 5 - NCR
✓ _____ 6 - Correspondence
✓ _____ 7 - CRAS
 _____ Date Filed
 _____ Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

X MAJOR

MINOR

B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

NPDES NM 0022306

Name moly corp Inc

Location

Assistant ADOLPHUS TALTON

Date Received 7/12/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>2366</u>	<u>ce</u>	<u>7-15</u>	
<u>Mite</u>	<u>M</u>	<u>8/15/91</u>	<u>PLEASE FILE</u>
ELLISON	<u>ce</u>	<u>8-15</u>	
AD TALTON	<u>AD</u>	<u>8-28</u>	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

Action

MAJOR

MINOR

B = Bypass/Overflows _____
I = Inspection _____
E = VRAC (Effluent) _____
A = A/O Response ✓
R = Admin Review _____
S = S/C Report ✓
P = Pretreatment _____
T = Toxicity _____
D = Consent Decree Response _____
C = Correspondence Req. Review ✓
L = Sludge _____

NPDES NA 0022306

Name moly corp Inc

Location _____

Assistant ADOLPHUS TALTON

Date Received 6/26/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON <u>1984</u>	<u>CE</u>	<u>6/26</u>	<u>PLEASE FILE. SCHEDULE A/O HAS BEEN DRAFTED.</u>
<u>Mifz</u>	<u>M</u>	<u>8/15/91</u>	
ELLISON	<u>CE</u>	<u>8-15</u>	
AD TALTON	<u>AD</u>	<u>8-28</u>	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matt
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

Action

MAJOR

MINOR

D = Bypass Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

NPDES NM 0022304

Name moly corp

Location

Assistant ADOLPHUS TALTON

Date Received 2/2/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON	CP	6/6/91	
M. T2	Am	8/15/91	PLEASE FILE
ELLISON	CP	8.15	
AD TALTON	AD	8-28	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matl
- 3 - DMR's
- 4 - Vic. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

☒ Action

B = Bypass/Overflows ☒
I = Inspection ☐
E = VRAC (Effluent) ☐
A = A/O Response ☐
R = Admin Review ☐
S = S/C Report ☐
P = Pretreatment ☐
T = Toxicity ☐
D = Consent Decree Response ☐
C = Correspondence Req. Review ☐
L = Sludge ☐

☒ MAJOR

☐ MINOR

NPDES NM 0022306

Name moly corp

Location _____

Assistant ADOLPHUS TALTON

Date Received 6/5/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
1367 ELLISON	<u>CE</u>	<u>6/5/91</u>	
ELLISON mite fm	<u>fm</u>	<u>6/17/91</u>	<u>drafted show cause A/C</u>
ELLISON	<u>CE</u>	<u>6-17-91</u>	
AD TALTON	<u>AT</u>	<u>6/17/91</u>	

REMARKS:

- 1 - Permit/CD
- 2 - AO & AO matt
- 3 - DMR's
- 4 - Vio. Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - CRAS
- Date Filed
- Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

☒ Action

B = Bypass/Overflows _____
I = Inspection _____
E = VRAC (Effluent) _____
A = A/O Response _____
R = Admin Review _____
S = S/C Report _____
P = Pretreatment _____
T = Toxicity ☒ _____
D = Consent Decree Response _____
C = Correspondence Req. Review _____
L = Sludge _____

☒ MAJOR

☐ MINOR

NPDES RM 0022306

Name Moly Corp

Location _____

Assistant ADOLPHUS TALTON

Date Received 4/24/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
<u>ELLISON</u>	<u>CE</u>	<u>4/24/91</u>	
<u>Martinez / 6WP</u>	<u>MPM</u>	<u>07/03/91</u>	<u>no action.</u>
<u>ELLISON</u>	<u>CE</u>	<u>7/3</u>	
<u>AD TALTON</u>	<u>AT</u>	<u>4/24/91</u>	

REMARKS:

1 - Permit/CD ☒
2 - AO & AO matl ☒
3 - DMR's ☒
4 - Viol. Sum. Log ☒
5 - NCR ☒
6 - Correspondence ☒
7 - CRAS ☒
Date Filed ☒
Clerk's Inits. ☒

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X MAJOR

X Action

MINOR

B = Bypass/Overflows _____
I = Inspection _____
E = VRAC (Effluent) _____
A = A/O Response _____
R = Admin Review _____
S = S/C Report _____
P = Pretreatment _____
T = Toxicity ✓ _____
D = Consent Decree Response _____
C = Correspondence Req. Review _____
L = Sludge _____

NPDES NM0022306

Name Moly Corp Inc

Location _____

Assistant ADOLPHUS TALTON

Date Received 4/23/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON	<u>CE</u>	<u>4/24/91</u>	
<u>Martinez/6w-PMBM</u>		<u>07/03/91</u>	<u>No action..</u>
ELLISON	<u>CE</u>	<u>7/13</u>	
AD TALTON	<u>AD</u>	<u>7/12/91</u>	

REMARKS:

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

Information

X Action

- B = Bypass/Overflows
I = Inspection
E = VRAC (Effluent)
A = A/O Response
R = Admin Review
S = S/C Report
P = Pretreatment
T = Toxicity
D = Consent Decree Response
C = Correspondence Req. Review
L = Sludge

X MAJOR

MINOR

NPDES N M 0022306

Name moly corp Inc

Location _____

Assistant ADOLPHUS TALTON

Date Received 4/10/91

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
ELLISON	CE	4-10-91	
Bern	BY	4/11/91	
Mit2	ma	4/10/91	NO ACTION. (SPILL DID NOT REACH RECEIVING WATERS)
ELLISON	CE	4/18/91	
AD TALTON	AD	4/23/91	

REMARKS:

- 1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Via Sum Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET

☒ MAJOR☐ MINOR

DPR _____

NPDES NM0002306

Non-compliance _____

Name Moly Corp

Location _____

Bypass _____

Reviewer ADOLPHUS TALTON

Compliance Schedule _____

Date Routed 4/4/91Other Ltr dtd 3/22/91

Suspense Date _____

informing NMEID of thecompletion + sampling of the two tailing sumps

ROUTED TO

INITIALS

DATE

ACTION RECOMMENDED

CarleneCC4/2/91BernBB4/3/91MITZ SantaMA4/4/91PLEASE FILEAD CarleneCC4/9/91ADAD4/10/91

REMARKS:

- 1 - Permit/CD
- 2 - AD & AD matl
- 3 - DMR's
- 4 - Via Sum. Log
- 5 - NCR
- 6 - Correspondence
- 7 - GRAS
- 8 - Date Filed
- 9 - Clerk's Initials

Action

☒ MAJOR

MIKOR

109

Non-compliance

250888 - 3/26/91 (+0 NMEFI)

Compliance Schedule

Other _____

NPDES NM 00 22306

Name niel corp

Location _____

Reviewer ADOLPHUS TALTON

Date Routed 4/8/91

Suspense Date _____

ROUTED TO

INITIALS

DATE _____

ACTION RECOMMENDED

Carlén &

6

4/3/91

Buen

BY

4/4/91

MITZ
Crawford

h

4/11/91

Carlene

N. J.

4/18/91

AND

At

4/22/91

NO ACTION. SPILL DID NOT REACH
WATERS OF U.S.

REMARKS:

-4- FORMER/CD

2 - A0 & A0 matl

A - Vlog, Sum Log

1946

6 - Correspondence

~~SECRET~~

Date Filed

Washburn, 1894

COMPLIANCE REVIEW ACTION SHEET

☐ MAJOR☐ MINOR

DMR _____

Non-compliance _____

Bypass _____

Compliance Schedule _____

Other _____

NPDES NM 0022306Name MolyCorp Inc

Location _____

Reviewer ADDate Routed 2/26/91

Suspense Date _____

ROUTED TO	INITIALS	DATE	ACTION RECOMMENDED
<u>Gordon</u>	<u>BP</u>	<u>2/27/91</u>	
<u>Crawford</u>	<u>bwc</u>	<u>2/28/91</u>	<u>Admin Close in route</u>
<u>AD</u>	<u>AD</u>	<u>3/2/91</u>	

REMARKS:

Brad

Could you close AO 90-1037: All requirements
have been met

- ☒ 1 - Permit/CD
- ☒ 2 - AO & AO mat
- ☒ 3 - DMR's
- ☒ 4 - Viol. Sum. Log
- ☒ 5 - NCR
- ☒ 6 - Correspondence
- ☒ 7 - CRAS
- ☒ Date Filed
- ☒ Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET

☐ MAJOR☐ MINOR

DMR _____

NPDES W 11 00 22306

Non-compliance _____

Name Moly Corp Inc

Bypass _____

Location _____

Compliance Schedule _____

Reviewer ADOther Response to APO 71-1617.Date Routed 2/4/91Had 1/24/91

Suspense Date _____

ROUTED TO

INITIALS

DATE

ACTION RECOMMENDED

Joe Mitzmm2/1/91PLEASE FILEADAD2/12/91

REMARKS:

- ____ 1 - Permit/CD
- ____ 2 - AQ & AQ matl
- ____ 3 - DMR's
- ____ 4 - Vio. Sum. Log
- ____ 5 - NCR
- ____ 6 - Correspondence
- AL 7 - CRAS
- ____ Date Filed
- ____ Clerk's Inits.